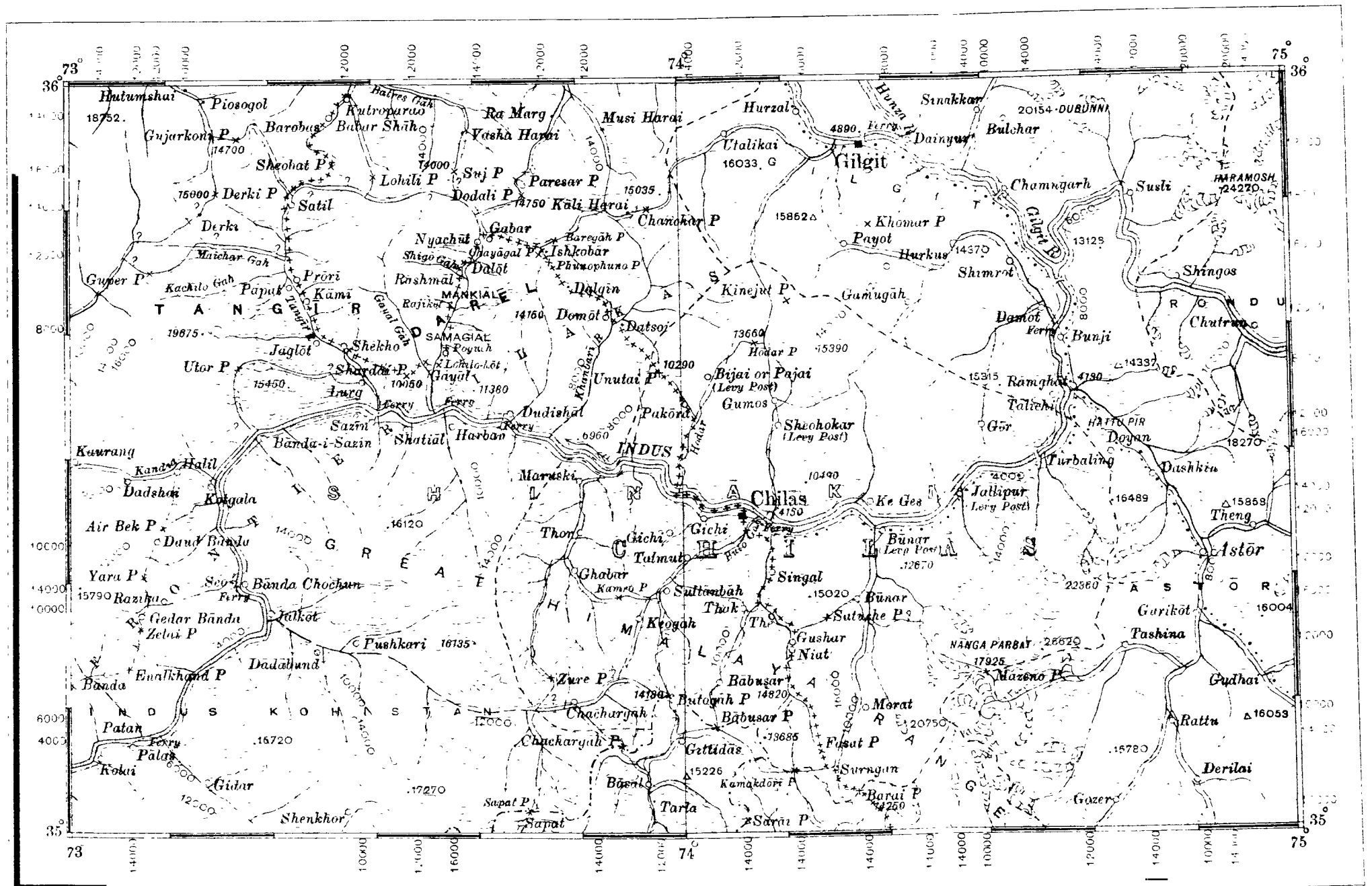


# MAP TO ILLUSTRATE ROUTES FOLLOWED BY SIR AUREL STEIN THROUGH CHILĀS, DARĒL AND TANGĪR



Trigonometrical heights in feet .17270

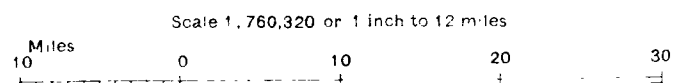
Approximate heights in feet .2960

Bridle-road or foot path, with pass - - - \* - - -

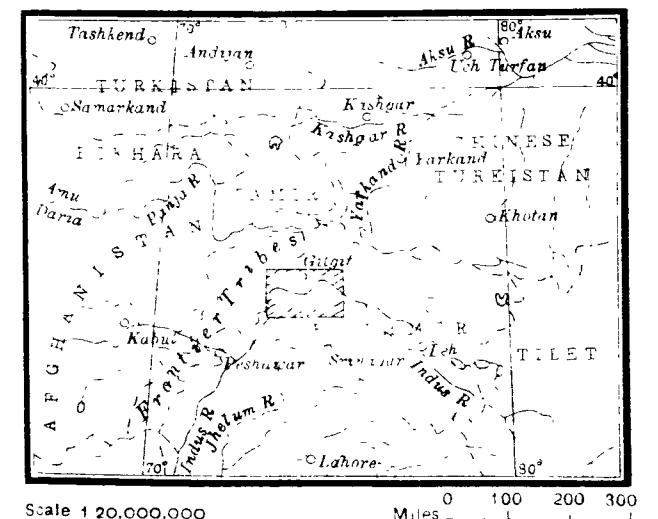
Telegraph line . . . . .

Routes followed by Sir Aurel Stein + + + + +

Based on Survey of India Sheets 43 E and I



Contours, at 2000 feet, are approximate



CENTRAL MEDICAL

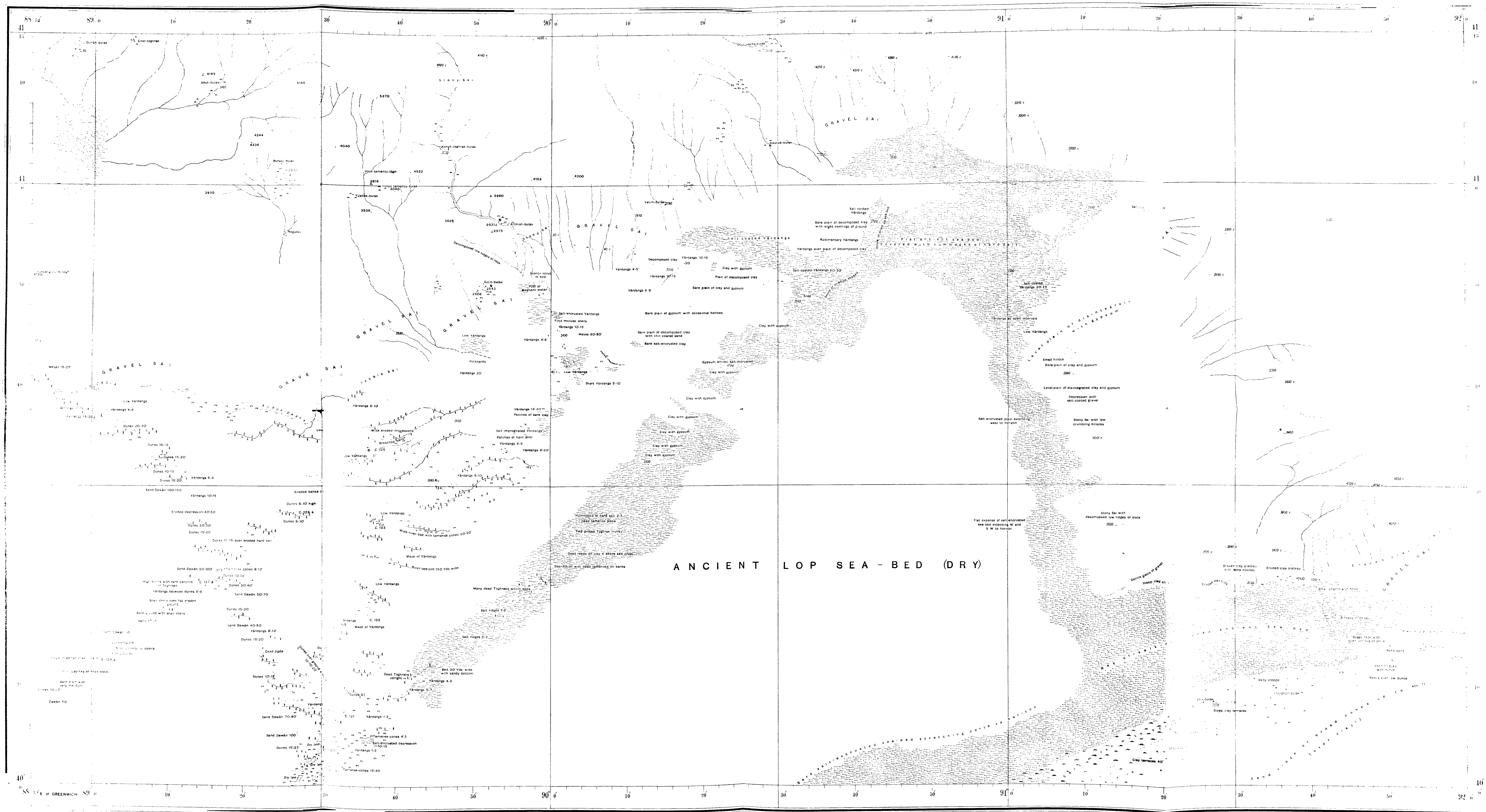
PHYSICIAN'S OFFICE

Acc No 12150

Date 8-12-61

Call No 913-5/Ste

MAP OF THE LOP DESERT  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.  
1906-7, 1914.



Enlarged, with additions and corrections, from sheets Nos. 29, 32 of the Map Series of Chinese Turkestan and Kansu, scale 1:500,000, published under the direction of the Surveyor General of India, 1926.

Scale 1:3,16,800 or 1 inch to 5 miles

For corrections to be applied to the positions and heights of triangulated points, as shown in this sheet, see the lists of latitudes, longitudes, etc., in Appendix A to Sir A. Stein's Memoir on maps of Chinese Turkestan and Kansu.

Latitude N. of Greenwich 38° 0' 15" 150  
Heights by theodolite by clinometer  
Heights by barometer  
Drift sand area  
Erosion terraces. Mesa. Yardang  
Hard salt crusts  
Salt-encrusted clay, hard soft  
Tamarisk cones, living, dead  
Wild cottons, Tughraks, living, dead  
Tamarisks, living, dead

Reeds or low scrub, living, dead  
Spring well  
Caravan track  
Fort, ancient  
Rounded dwelling mound (Stupa)  
Ancient site, watch-tower, Cairn  
Route with camp, 1906-07  
Route with camp, 1914  
Camps of Sir A. Stein and A. Raz. Gul in 1914  
Camps of R. B. Lal Singh in 1914





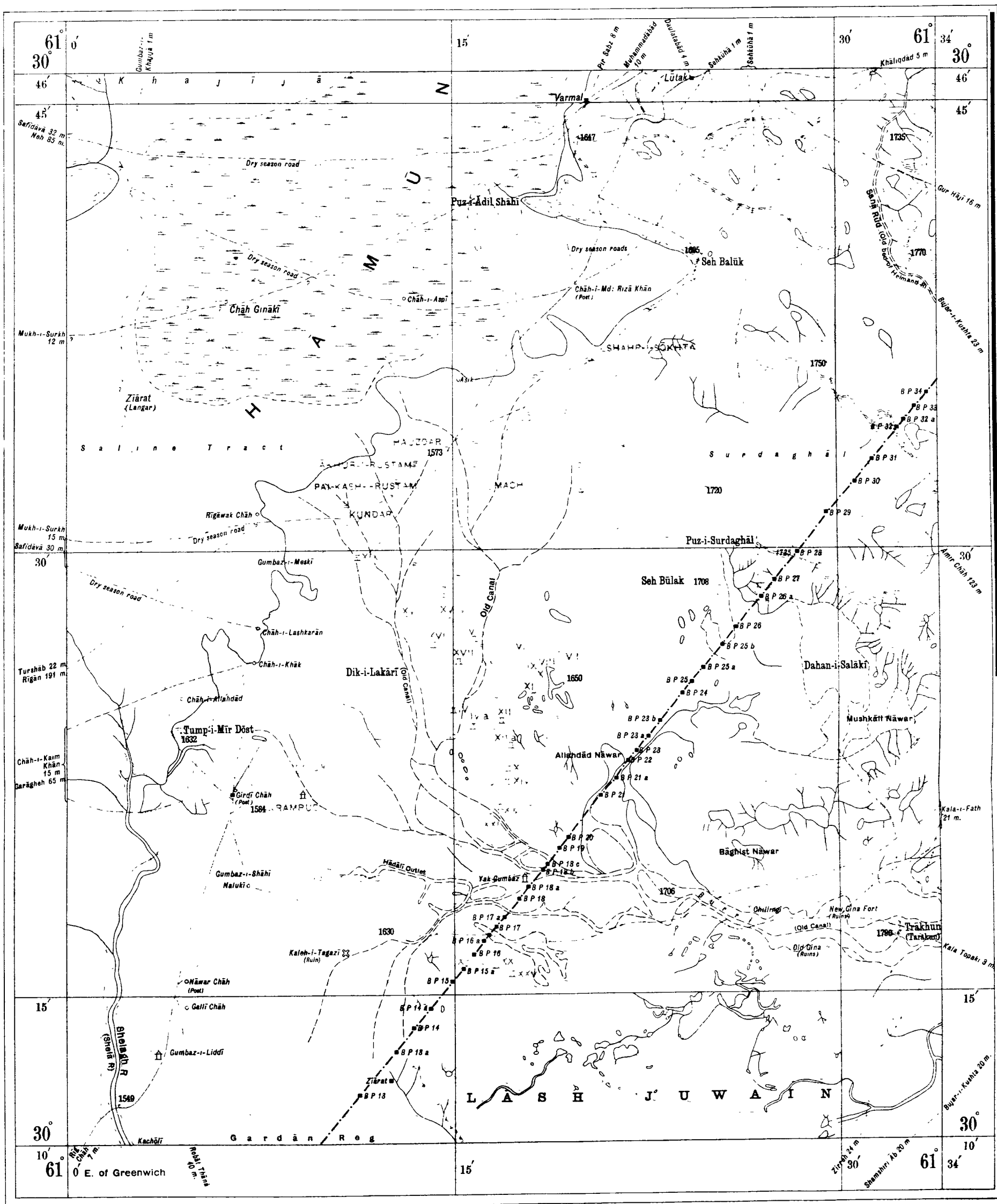


# MAP OF THE DRY HELMAND DELTA

## SISTĀN

BASED ON DEGREE SHEET No. 30 F, OF THE SURVEY OF INDIA

WITH ADDITIONS BY SIR AUREL STEIN, K.C.I.E.



Reg No 542 E.D.D 1927 (2 D.O.) S.L-750

Scale 1 Inch to 4 Miles, or 1:253,440.

Miles 5 4 3 2 1 0 5 10 Miles

Contours are approximate. Those portions of rivers, streams, lakes, canals, etc., which generally contain water are shown in blue.

Main road Other roads and paths  
Unsurveyed or doubtful route  
Boundary, demarcated Boundary Pillar  
Height, Trigonometrical; approximate  
Ruined site; ruined fort; ruined watch-station  
Names of old sites

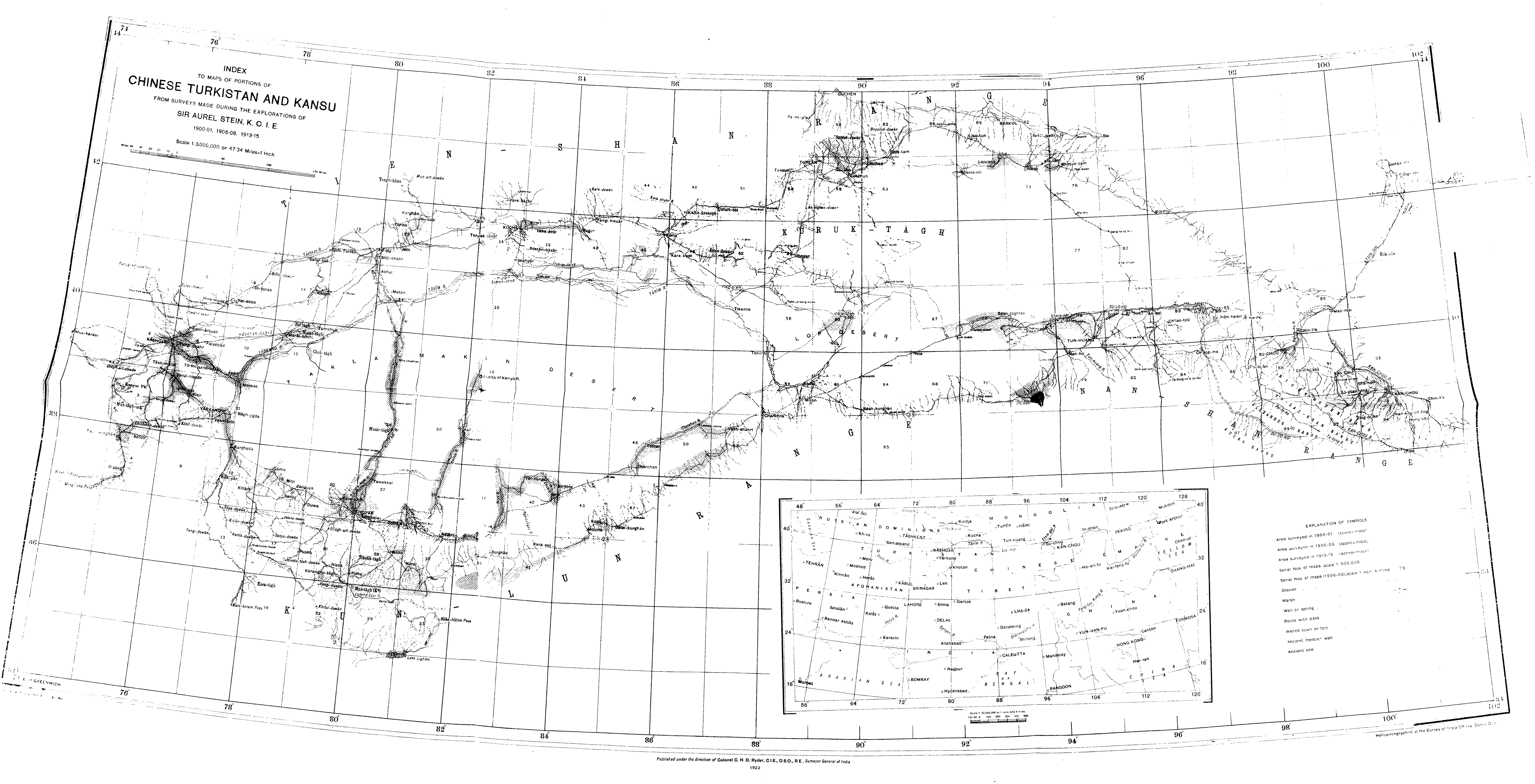
HELIO S I O DEHRA DUN



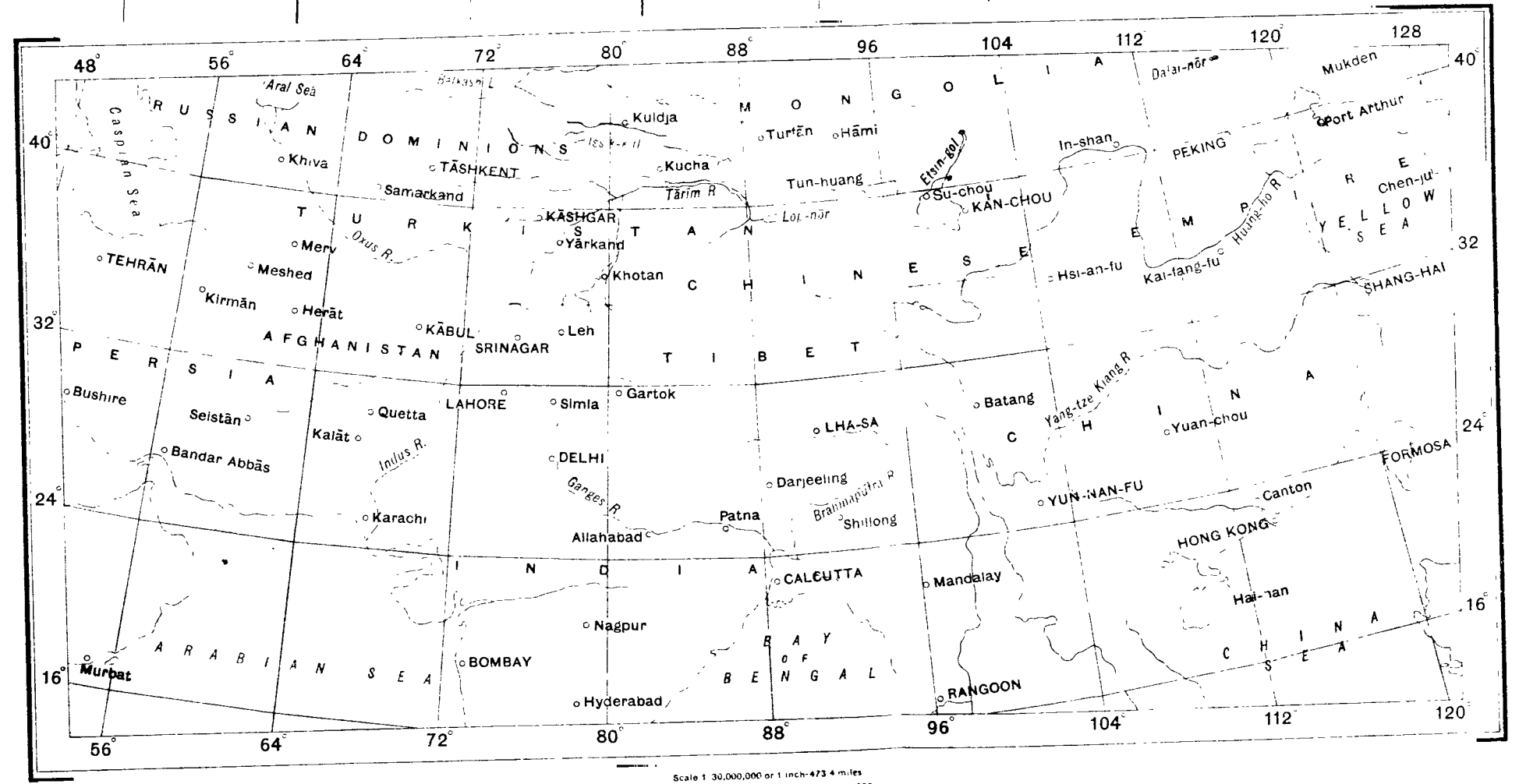


INDEX  
TO MAPS OF PORTIONS OF  
**CHINESE TURKISTAN AND KANSU**  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
**SIR AUREL STEIN, K. C. I. E.**  
1900-01, 1906-08, 1913-15

Scale 1:3,000,000 or 47.34 Miles-1 Inch



EXPLANATION OF SYMBOLS  
Area surveyed in 1900-01 (approximate)  
Area surveyed in 1906-08 (approximate)  
Area surveyed in 1913-15 (approximate)  
Serial Nos. of maps, scale 1:500,000  
Serial Nos. of maps (1906-08), scale 1 inch 4 miles  
Glacier  
Marsh  
Well or spring  
Route with pass  
Walled town or fort  
Ancient frontier wall  
Ancient site

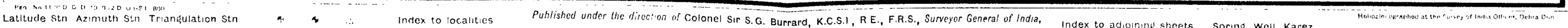




1900-01, 1906-08, 1913-15.

TURUG-ART, TEREK-DAWÄN.

SERIAL No. 1



Pranantakij, P. and J. J. Oude Vrielink, 1993.

Games of R. B. LaSalle in 1913-14

lithology, which generally contain water are shown in blue.

$$QH^{\infty}(\Sigma) = \{f \in H^{\infty}(\Sigma) : f|_{\partial\Sigma} = 0\}$$



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

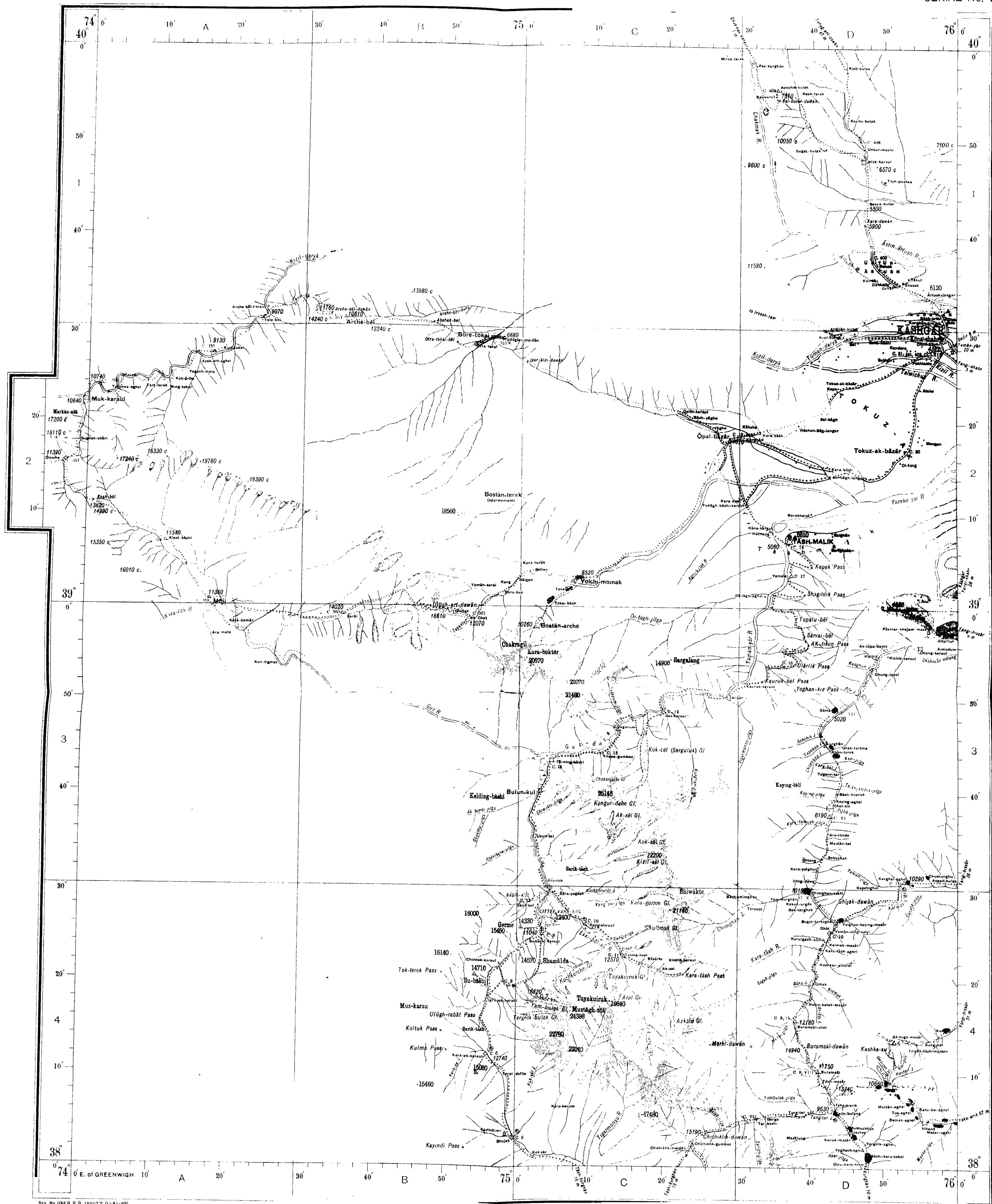
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 42-N.E.

KĀSHGAR, MUZTĀGH-ATĀ.

SERIAL No. 2



Red No 1283 D D D 1920 (1920 D D D) 1911-1900

Latitude Stn Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer 13277 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces: Mesa; Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Tograks): living; dead

Tamarisks: living; dead Conifers

Index to localities

|            |         |
|------------|---------|
| Muz-karaul | Kashgar |
| Muz-karaul | Kashgar |
| Muz-karaul | Kashgar |
| Muz-karaul | Kashgar |
| Muz-karaul | Kashgar |

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India.

Scale 1: 500,000 or 1-014 Inches to 8 Miles

Min. 10 0 5 10 15 20 Miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghān      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tāgh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Tograk                   | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yaliak, Yailagh          | Grazing ground            |

Streams etc which generally contain water are shown in blue

Index to adjoining sheets

|   |   |
|---|---|
| 1 | 4 |
| 2 | 5 |
| 3 | 6 |

Spring Well, Kārē

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined. Ruined mound (Stupa)

Ancient site: watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lāt Singh in 1913-15











CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

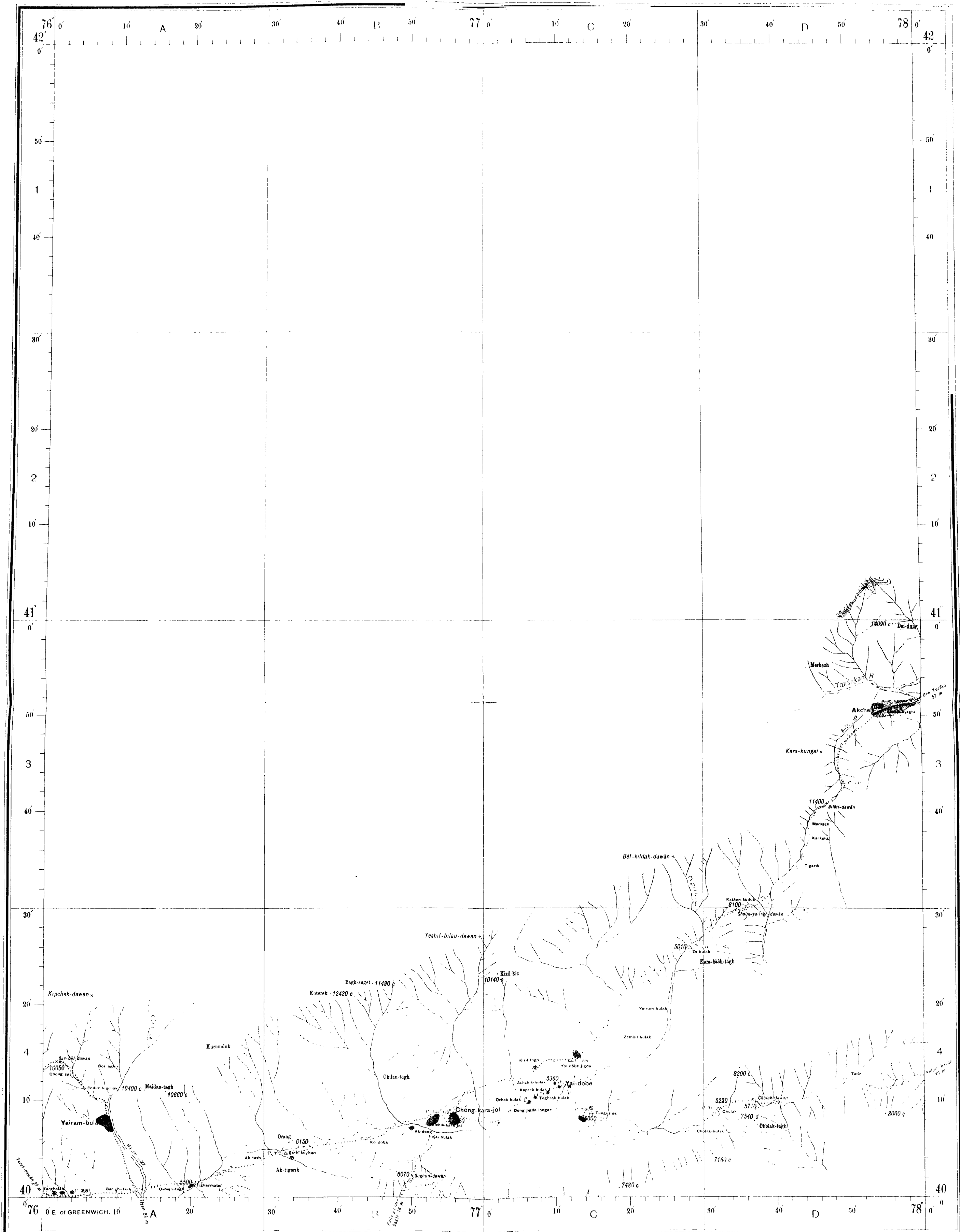
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-43

(CARTE INTERNATIONALE DU MONDE)

YAI-DÖBE.

SERIAL No. 4



Rep. No. 1131 D.D.D. 1915 2 D (1-5) B.A.

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite; by clinometer 13277 12300 c

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa. Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living; dead

Wild poplars (Toghraks), living; dead

Tamarisks living, dead Conifers

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

Scale 1:500,000 or 1:1014 inches to 8 miles

Miles 1 2 3 4 5 6 7 8 9 10

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

|   |   |   |
|---|---|---|
| 1 | 4 | 7 |
| 2 | 5 | 8 |

Spring Well. Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

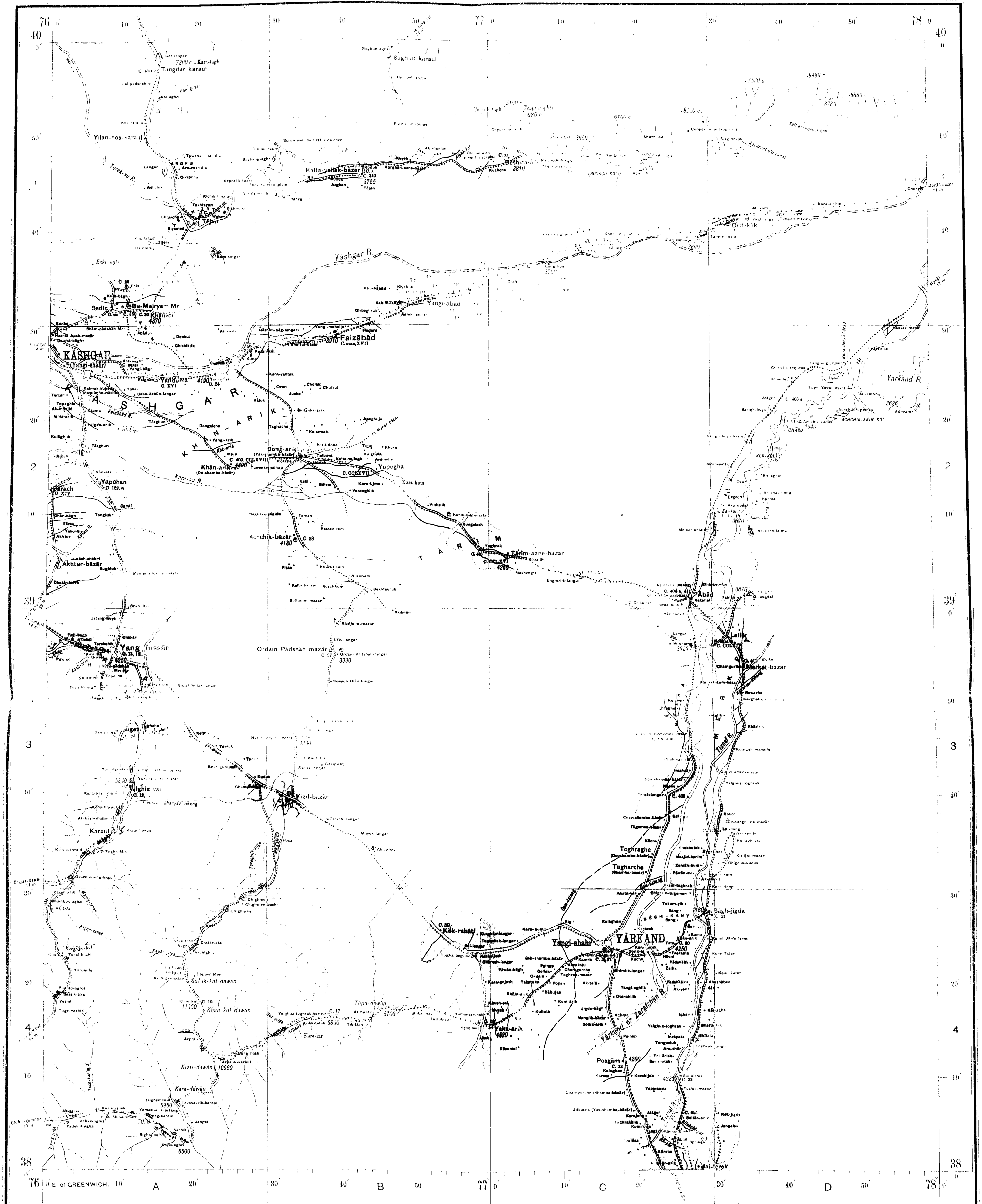
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 N.W.

YANGI-HISSAR, YARKAND.

SERIAL No. 5



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite; by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamansk cones living, dead

Wild poplars (Toghaks) living, dead

Tamansk living, dead Conifers

Index to localities



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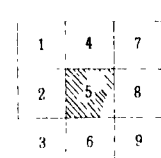
Scale 1:500,000 or 1:1014 inches to 8 Miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |             |                  |                  |                           |
|-----------|---------------|-------------|------------------|------------------|---------------------------|
| Bulak     | Spring        | Kul, Kul    | Lake             | P'ao-tzu, Pu-tzu | Walled village            |
| Chap      | Hill stream   | Kum         | Sand             | Sai              | Desert of stone or gravel |
| Darya     | River         | Kumush      | Reeds            | Shan (Chin)      | Mountain                  |
| Dawan     | Pass          | Kurghan     | Tower            | Ta-fun (Chin)    | Pass                      |
| Dong      | Hill          | Lungar, Le  | Rest house       | Tagh             | Mountain                  |
| Ho (Chin) | River         | Mazar, Mr   | Saint's tomb     | Toghak           | Poplar                    |
| Jilga, J  | Valley        | Miao (Chin) | Temple           | Ustang           | Canal                     |
| Karaul    | Watch station | Qghij       | Shepherd station | Yarlak, Yarlagh  | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets



Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

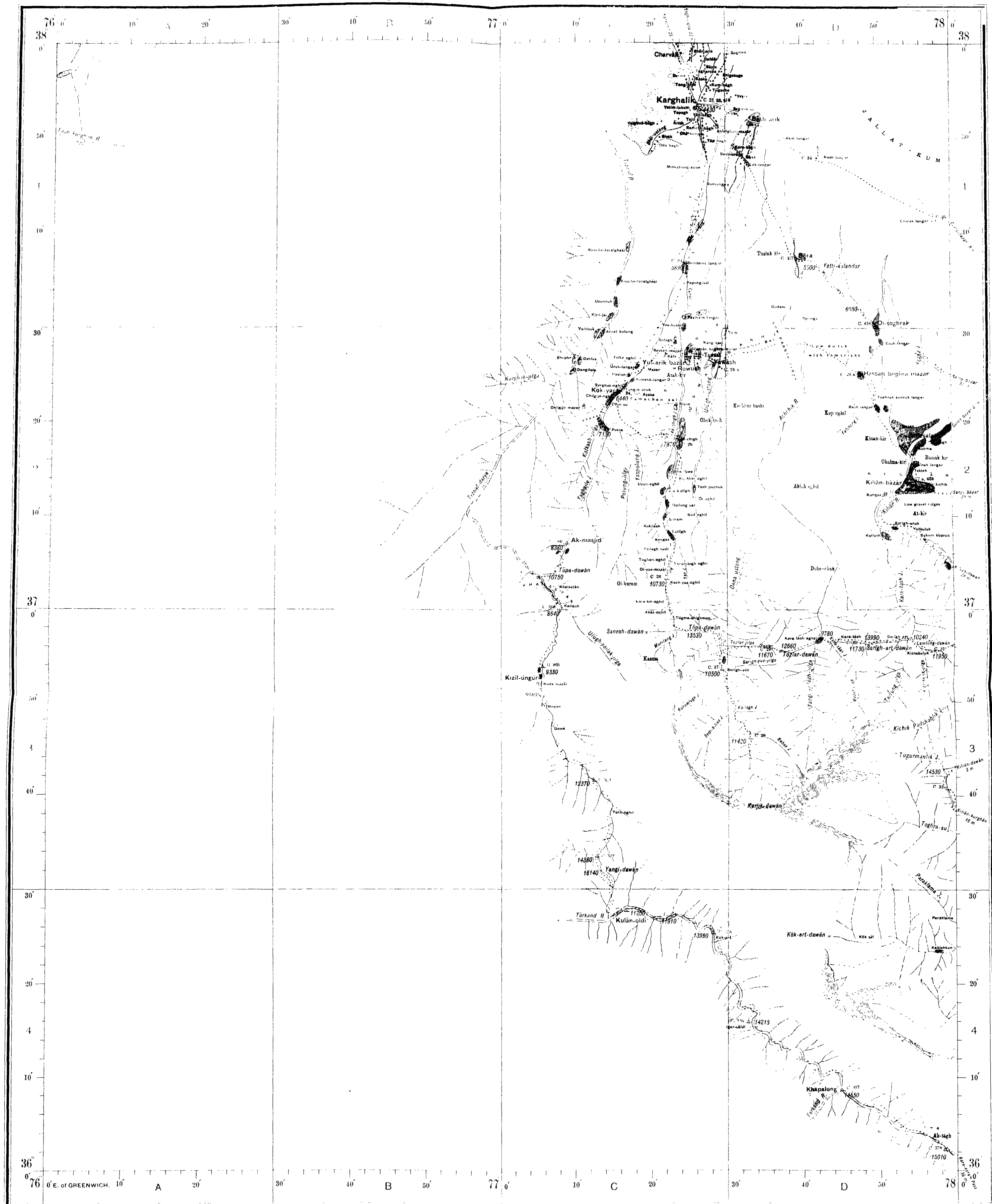
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 S.W.

KARGHALIK, KILIÂN.

SERIAL No. 6



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite; by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces. Mesa, Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation, unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Tograks): living; dead

Tamarisks, living; dead; Conifers

Index to localities

Karghalik

Kiliân

Yangi-dawan

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Scale 1: 500,000 or 1: 101,400 inches to 8 Miles

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2 5 8

3 6 9

4 7 10

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghân      | Tower            | Ta fan (Chin.)           | Pass                      |
| Dong       | Hill          | Lankar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort, ancient; recent Mine

Temporarily occupied hut

Frontier wall, ancient, recent

Walled town, extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1914-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrâz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

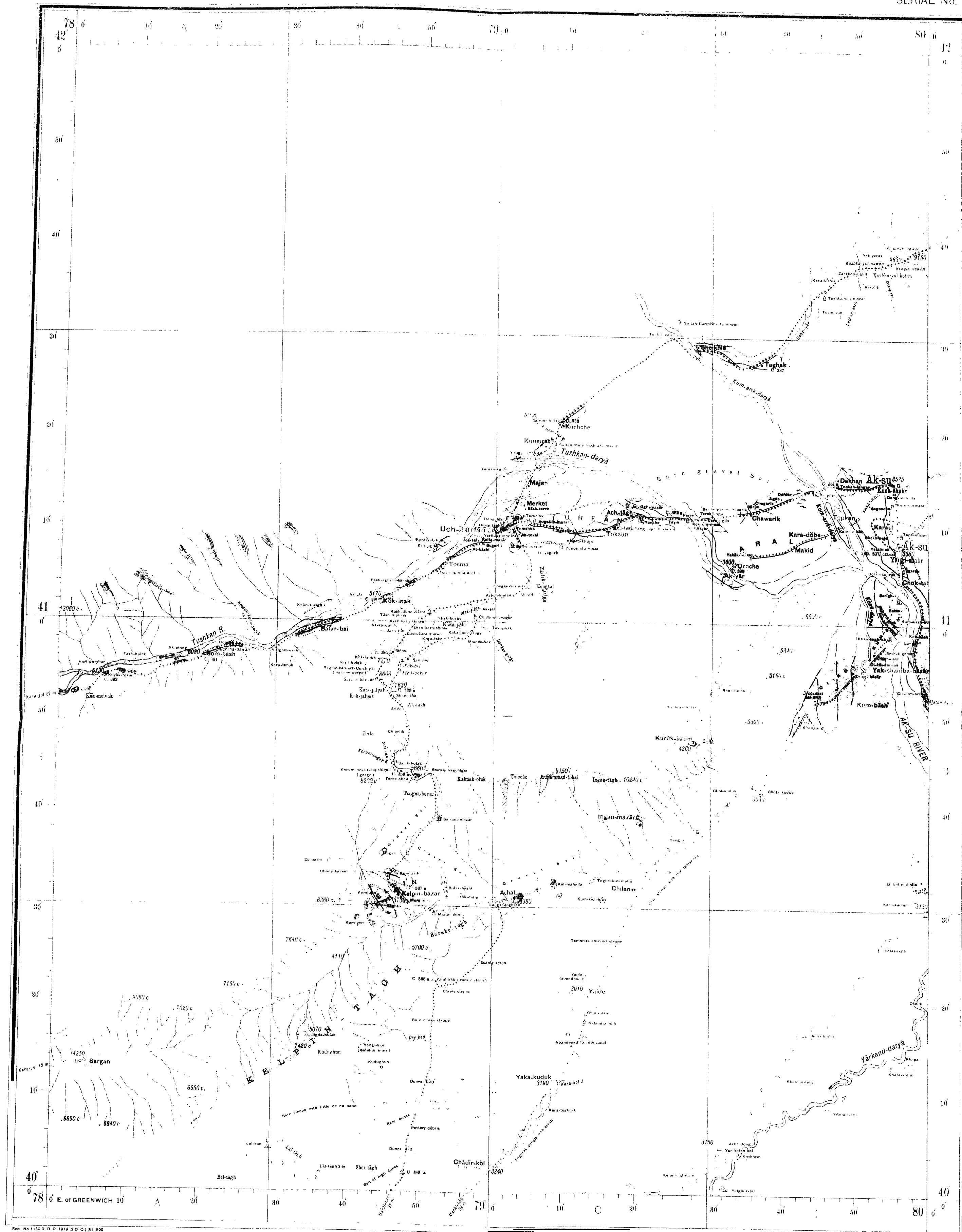
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-07, 1913-15.

PART OF SHEET No. N. K-44  
(CARTE INTERNATIONALE DU MONDE)

AK-SU, UCH-TURFAN, KELPIN.

SERIAL No. 7



No. 1130 D.D. 1919 (2 D. 0.3) 1:400

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer 13277 12300 c.

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Tetraxys) living, dead

Tamarisks living, dead Conifers

Index to localities

Uch-turfan, Ak-su,

Kelpin,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Kulek-darya,

Yarkand-darya,

Published under the direction of Colonel Sir S.G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India,

1919.

Scale 1:500,000 or 1:1014 inches to 8 Miles

Index to adjoining sheets

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb.

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant, ruined, Ruined mound (Stupa).

Ancient site: watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alfred Guir in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of R. B. Lal Singh in 1913-15

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-trü, Pu-trü (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Lan-ar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which give rise to water are shown in blue

Measured and plotted at the Survey of India Office, Delhi, India

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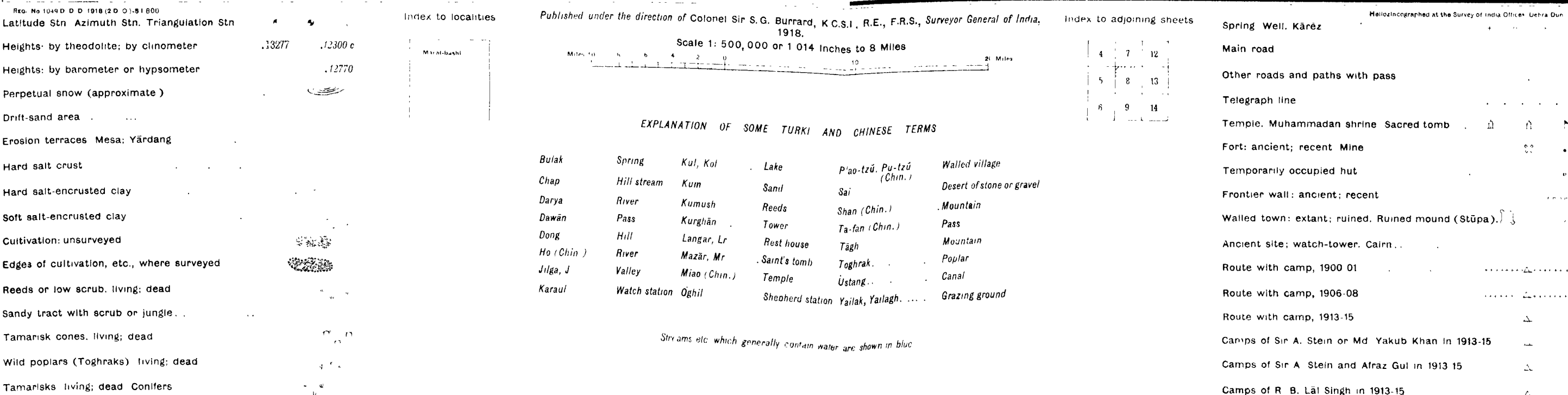




1900-01, 1906-08, 1913-15.

MARAL-BĀSHI.

SERIAL No. 8



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Office (Map Room and Issue Branch), Calcutta. Price: One Rupee.



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

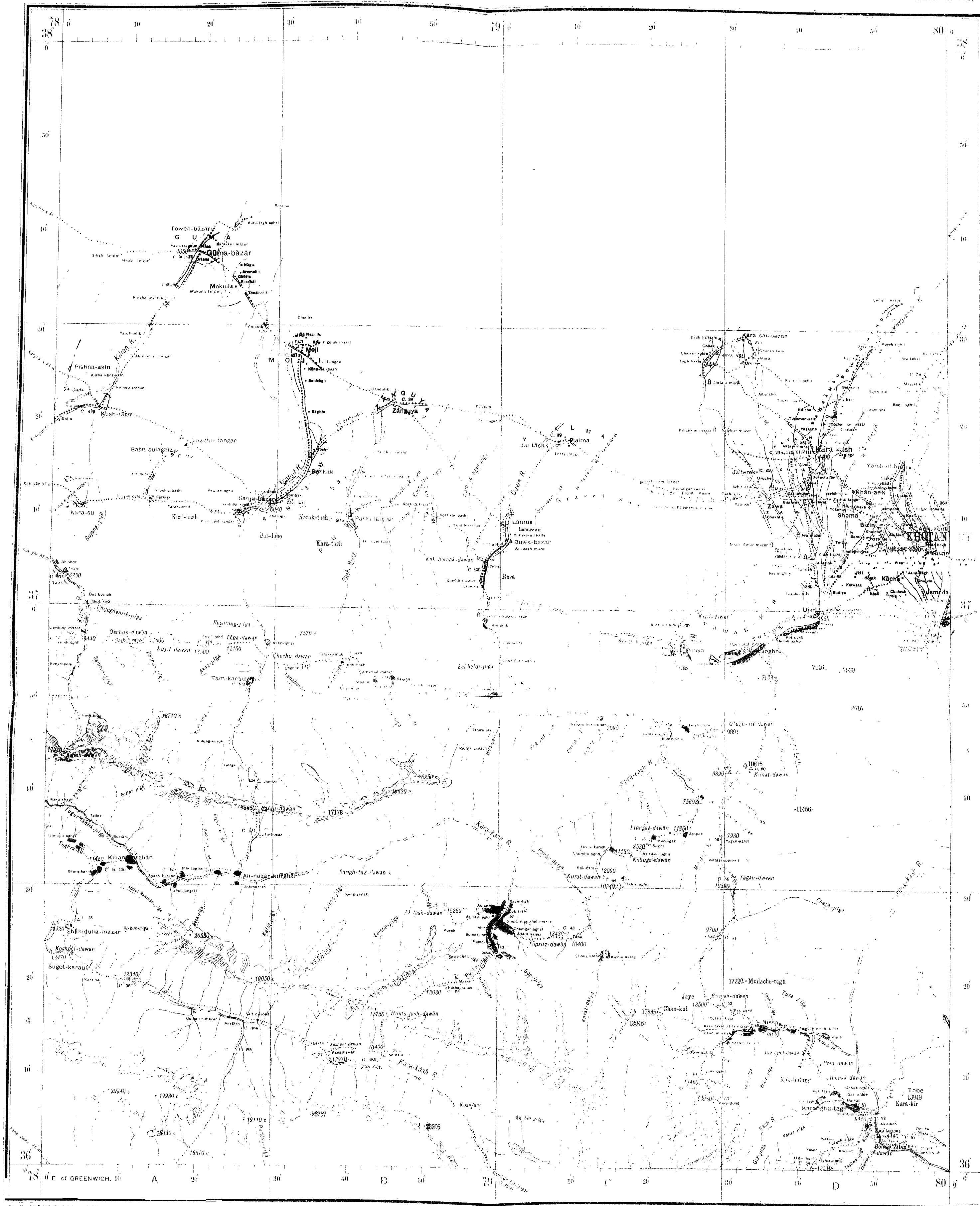
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 S. E.

KHOTAN, SANJU

SERIAL No. 9



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces, Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toothracks) living, dead

Tamarisks living, dead Conifers

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Index to adjoining sheets

Index to adjoining sheets

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Index to adjoining sheets

Index to adjoining sheets

Index to adjoining sheets

Index to adjoining sheets

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., and is dated 1910.

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

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Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

Scale 1:500,000 or 1:104 inches to 8 miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |             |                  |                 |                         |
|-----------|---------------|-------------|------------------|-----------------|-------------------------|
| Bulak     | Spring        | Kul, Kul    | Lake             | Pan tzu, Pu tzu | Walled village          |
| Chap      | Hill stream   | Kum         | Sand             | Shi             | Devi or shrine or grave |
| Darya     | River         | Kumash      | Reeds            | Shan (Chin)     | Mountain                |
| Dawan     | Pass          | Kurghan     | Tower            | Ta-fan (Chin)   | Pass                    |
| Dong      | Hill          | Lungar, Lr  | Rest house       | Tagh            | Mountain                |
| Ho (Chin) | River         | Mazar, Mr   | Saint's tomb     | Toghrak         | Poplar                  |
| Jilga, J  | Valley        | Miao (Chin) | Temple           | Ustang          | Canal                   |
| Karaul    | Watch station | Oghli       | Shepherd station | Yalaki, Ya'agh  | Grazing ground          |

Streams etc. which generally contain water are shown in blue

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Index to adjoining sheets

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sagen tomb

Fort, ancient, recent, Mine

Temporarily occupied hut

Frontier wall, ancient, recent

Walled town, extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

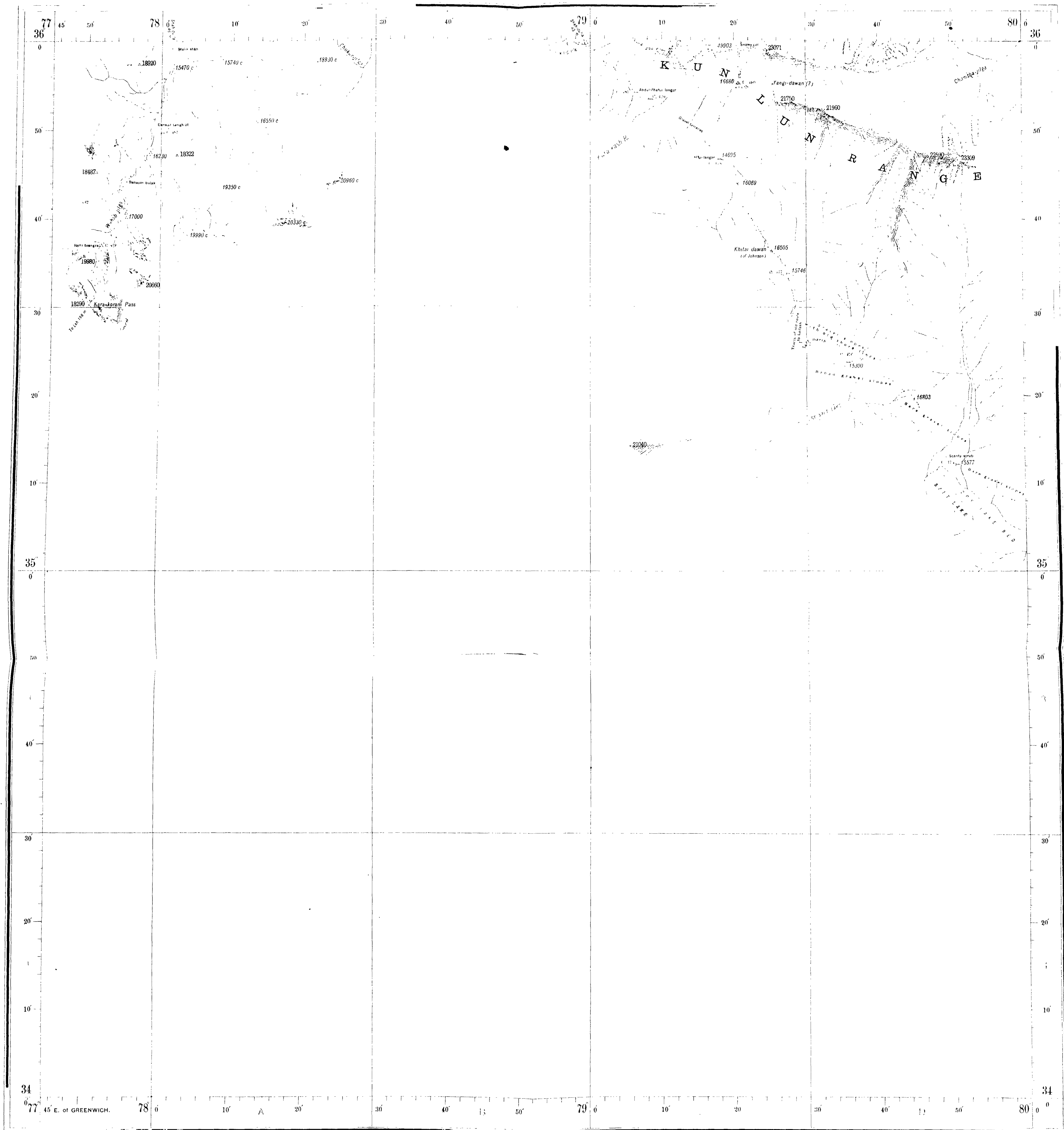


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 52 N. E.

KARA-KORAM, KHITAI-DAWĀN

SERIAL No. 10



Index to localities

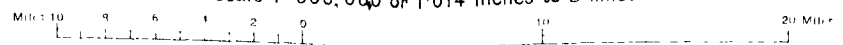
|   |       |         |
|---|-------|---------|
| Latitude Stn. Azimuth Stn. Triangulation Stn. | 13277 | 13300 c |
| Heights by theodolite, by clinometer          |       |         |
| Heights by barometer or hypsometer            |       | 12770   |
| Perpetual snow (approximate)                  |       |         |
| Drift sand area                               |       |         |
| Erosion terraces. Mesa, Yārdang               |       |         |
| Hard salt crust                               |       |         |
| Hard salt-encrusted clay                      |       |         |
| Soft salt-encrusted clay                      |       |         |
| Cultivation: unsurveyed                       |       |         |
| Edges of cultivation, etc., where surveyed    |       |         |
| Reeds or low scrub: living, dead              |       |         |
| Sandy tract with scrub or jungle              |       |         |
| Tamarisk cones: living, dead                  |       |         |
| Wild poplars (Toghrahs): living, dead         |       |         |
| Tamarisks: living, dead. Conifers             |       |         |

Index to localities

|                 |
|-----------------|
| Khitai-dawān    |
| Kara-koram Pass |

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1916.

Scale 1 500,000 or 1 014 inches to 8 Miles



EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kal     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghān      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dung       | Hill          | Lanear, Lr   | Rest house       | Tāgh                     | Mountain                  |
| Hu (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghraq                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

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|    |    |    |
|----|----|----|
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| 10 | 15 |    |

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|--|
| Spring Well, Karez                                 |
| Main road  |
| Other roads and paths with pass                    |
| Telegraph line                                     |
| Temple, Muhammadan shrine, Sacred tomb             |
| Fort: ancient; recent. Mine                        |
| Temporarily occupied hut                           |
| Frontier wall: ancient; recent                     |
| Walled town, extant, ruined, Ruined mound (Stūpa)  |
| Ancient site, watch-tower, Cairn                   |
| Route with camp, 1900-01                           |
| Route with camp, 1906-08                           |
| Route with camp, 1913-15                           |
| Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15 |
| Camps of Sir A. Stein and Afrāz Gul in 1913-15     |
| Camps of R. B. Lāl Singh in 1913-15                |

NOTE: Details in square A. 1. and west of margin taken from a previous survey conducted by the C.A.S. 1. The Chinese expedition, 1911-14.

Copies of this map can be obtained on order from the Survey of India Office, 1, Map Room, India House, Calcutta, or from the Director, Survey of India, Delhi.

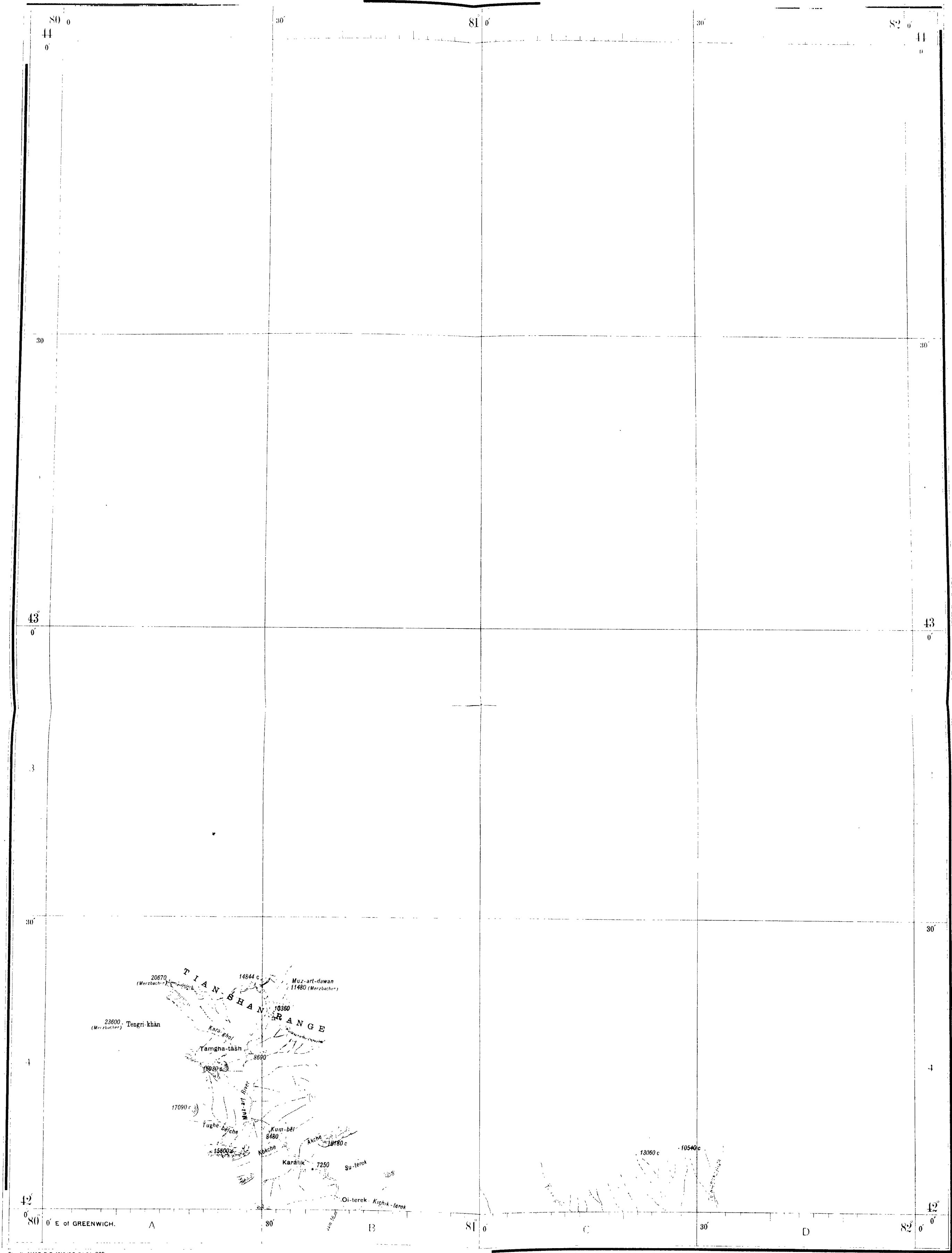


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913 15.

PART OF SHEET No. N K-44  
(CARTE INTERNATIONALE DU MONDE)

MUZ-ART

SERIAL No. 11



Reo No 1044 D D D 1918 (20 0 31 800  
Latitude Stn Azimuth Stn. Triangulation Stn  
Heights: by theodolite; by clinometer  
Heights: by barometer or hypsometer  
Perpetual snow (approximate)  
Drift-sand area  
Erosion terraces: Mesa, Yārdang  
Hard salt crust  
Hard salt encrusted clay  
Soft salt-encrusted clay  
Cultivation: unsurveyed  
Edges of cultivation, etc., where surveyed  
Reeds or low scrub: living; dead  
Sandy tract with scrub or jungle  
Tamarisk cones: living; dead  
Wild poplars (Toghrahs): living; dead  
Tamarisks: living; dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, Index to adjoining sheets  
1918.

Scale 1 500,000 or 1 014 Inches to 8 Miles

Heliozincographed at the Survey of India Office, Dehra Dun.

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Po-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai.                     | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurglan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Lanqai, Lr.  | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mi    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustank                   | Canal                     |
| Karaul     | Watch station | Oghul        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Spring Well, Kārez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant, ruined. Ruined mound (Stupa).

Ancient site, watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15





# CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

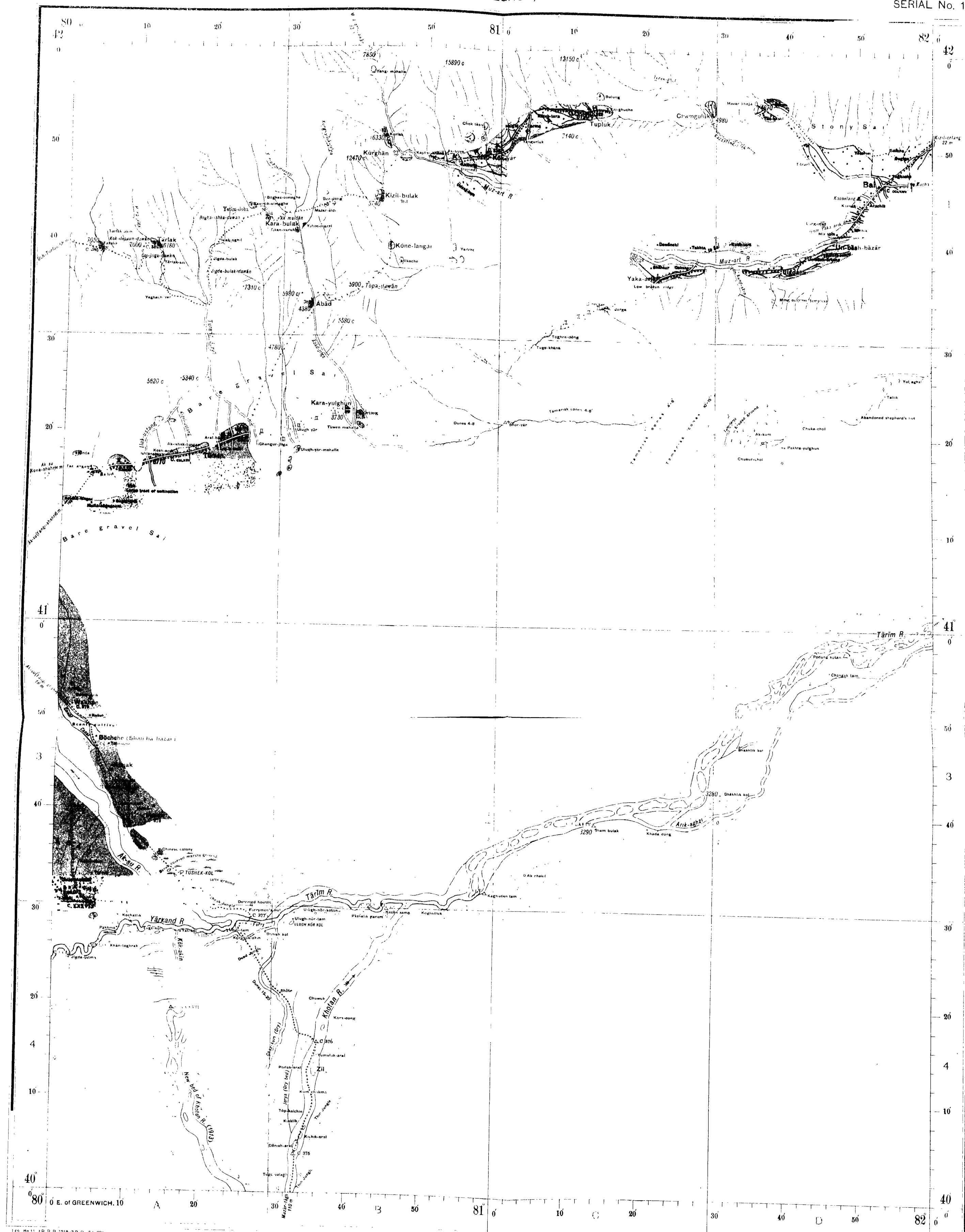
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

KARA-YULGHUN, BAL.

SERIAL No. 12

PART OF SHEET No. N. K. 44  
(CARTE INTERNATIONALE DU MOPPE)



Latitude Stn Azimuth Stn Triangulation Stn  
Heights by theodolite, by clinometer 13277 12300 c  
Heights by barometer or hypsometer 12770  
Perpetual snow (approximate) 12770  
Drift-sand area  
Erosion terraces Mesa; Yardang  
Hard salt crust  
Hard salt encrusted clay  
Soft salt-encrusted clay  
Cultivation-unsurveyed  
Edges of cultivation, etc., where surveyed  
Reeds or low scrub: living, dead  
Sandy tract with scrub or jungle  
Tamarisk cones living dead  
Wild poplars (Toghraks) living; dead  
Tamarisks living, dead Conifers

Index to localities

Korghan Bai  
Kara-yulghun

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

Scale 1: 500,000 or 1:014 inches to 8 miles

Miles 10 8 6 4 2 0 2 4 6 8 10

Index to adjoining sheets

11 16  
7 12 17  
8 13 18

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langer, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined. Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afráz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

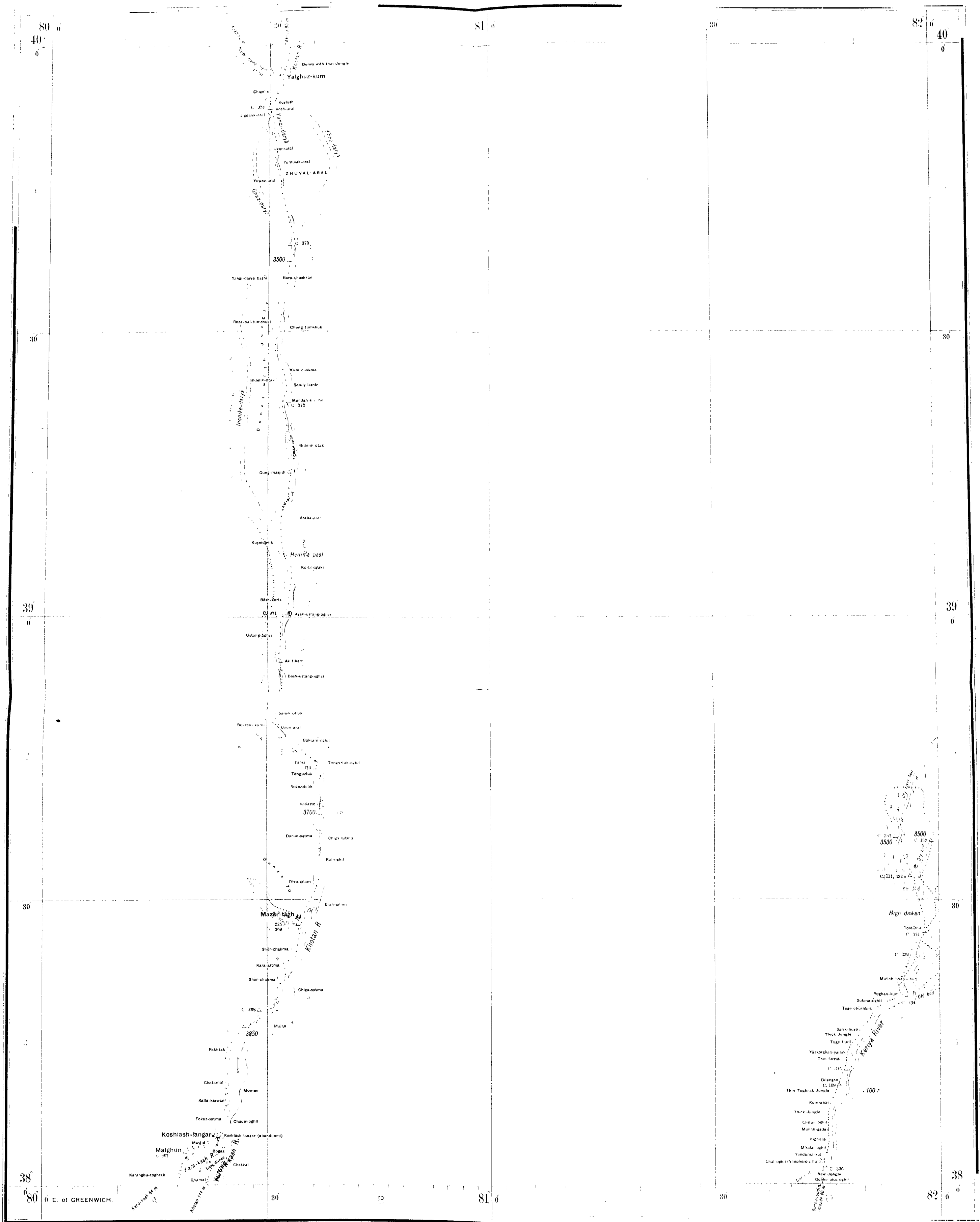


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No 60 N. W.

MAZAR-TAGH. KARA-DONG.

SERIAL No. 13



|  |                     |   |                           |  |
|--|---------------------|---|---------------------------|--|
| Scale No 1000 000 1016 200 01 31 800<br>Latitude Stn Azimuth Stn Triangulation Stn | Index to localities | Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.<br>Scale 1: 500,000 or 1:014 inches to 8 Miles | Index to adjoining sheets | Spring Well, Karoz                                 |
| Heights: by theodolite, by clinometer . 13277 12300 c                              |                     |   | 7 12 17                   | Main road  |
| Heights by barometer or hypsometer 12770   |                     |   | 8 13 18                   | Other roads and paths with pass                    |
| Perpetual snow (approximate)   |                     |   | 9 14 19                   | Telegraph line                                     |
| Drift sand area  |                     |   |                           | Temple Muhammadan shrine Sacred tomb               |
| Erosion terraces Mesa, Yárdang   |                     |   |                           | Fort ancient, recent Mine                          |
| Hard salt crust  |                     |   |                           | Temporarily occupied hut                           |
| Hard salt encrusted clay   |                     |   |                           | Frontier wall ancient, recent                      |
| Soft salt encrusted clay   |                     |   |                           | Walled town extant, ruinous, Ruined mound (Stūpa). |
| Cultivation unsurveyed   |                     |   |                           | Ancient site, watch-tower Cairns                   |
| Edges of cultivation, etc., where surveyed   |                     |   |                           | Route with camp, 1900-01                           |
| Reeds or low scrub living, dead  |                     |   |                           | Route with camp, 1905-08                           |
| Sandy tract with scrub or jungle   |                     |   |                           | Route with camp, 1913-15                           |
| Tamarisk cones living, dead  |                     |   |                           | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Wild poplars (Toghraks) living, dead   |                     |   |                           | Camps of Sir A. Stein and Alfray Gul in 1913-15    |
| Tamarisks living, dead Conifers  |                     |   |                           | Camps of R. B. Lal Singh in 1913-15                |

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                            |                           |
|------------|---------------|--------------|------------------|----------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kul     | Lake             | P'ao-tzu, P'ao-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                        | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)               | Mountain                  |
| Dawan      | Pass          | Kurgan       | Tower            | Ta-lan (Chin.)             | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                       | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                    | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                     | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh            | Grazing ground            |

Streams etc which generally contain water are shown in blue

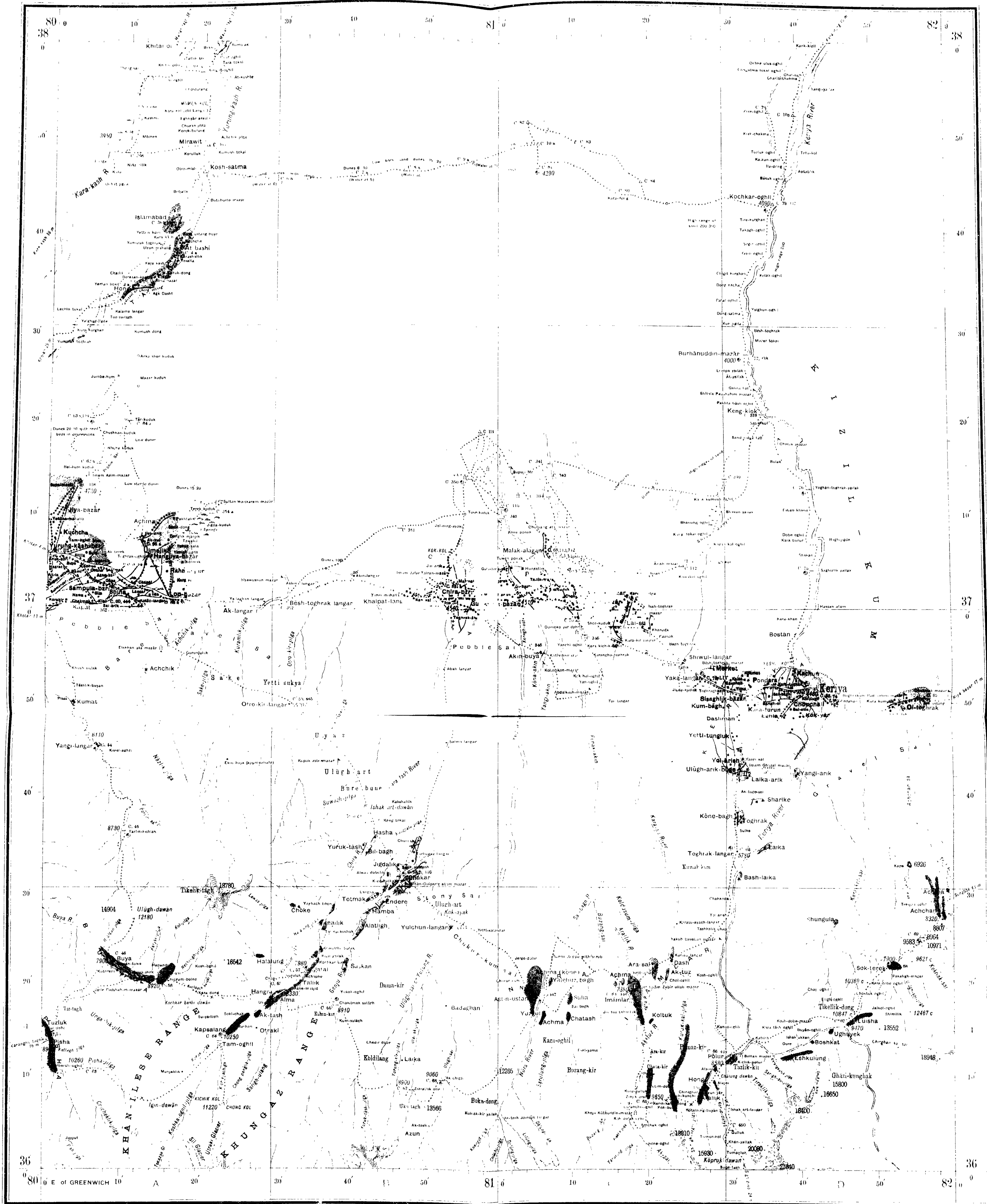


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15

SURVEY OF INDIA No. 60 S W

SAMPULA, CHIRA, KERIYA.

SERIAL No. 14



| Latitude Stn                               | Azimuth Stn | Triangulation Stn |
|--|-------------|-------------------|
| Heights by theodolite, by clinometer       | 13277       | 12390             |
| Heights by barometer or hypsometer         | 12270       |                   |
| Perpetual snow (approximate)               |             |                   |
| Drift sand area                            |             |                   |
| Erosion terraces, mesa, yardang            |             |                   |
| Hard salt crust                            |             |                   |
| Hard salt encrusted clay                   |             |                   |
| Soft salt encrusted clay                   |             |                   |
| Cultivation unsurveyed                     |             |                   |
| Edges of cultivation, etc., where surveyed |             |                   |
| Reeds or low scrub living, dead            |             |                   |
| Sandy tract with scrub or jungle           |             |                   |
| Tamarisk cones, living, dead               |             |                   |
| Wild poplars (Tograks) living, dead        |             |                   |
| Tamarisks living, dead, Conifers           |             |                   |

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

Scale 1:500,000 or 1:1014 inches to 8 miles

| EXPLANATION OF SOME TURKI AND CHINESE TERMS |               |             |                  |                  |                           |
|---|---------------|-------------|------------------|------------------|---------------------------|
| Bulak                                       | Spring        | Kul, Kul    | Lake             | P'an tzu, Po tzu | Walled village            |
| Chap  | Hill stream   | Kum         | Sand             | Sai              | Desert of stone or gravel |
| Darya                                       | River         | Kumush      | Reeds            | Shan (Chin.)     | Mountain                  |
| Dawan                                       | Pass          | Kurghan     | Tower            | Ta-fan (Chin.)   | Pass                      |
| Dong  | Hill          | Langar, Lr  | Rest house       | Tagh             | Mountain                  |
| Ho (Chin.)                                  | River         | Mazar, Mr   | Saint's tomb     | Tograk           | Poplar                    |
| Jilga, J                                    | Valley        | Mao (Chin.) | Temple           | Ustang           | Canal                     |
| Karaul                                      | Watch station | Oghli       | Shepherd station | Yailak, Yailagh  | Grazing ground            |

Streams etc., which generally contain water are shown in blue

| Index to adjoining sheets |    |    |
|---------------------------|----|----|
| 8                         | 13 | 18 |
| 9                         | 14 | 19 |
| 10                        | 15 |    |

|  |
|--|
| Spring, Well, Karez                                |
| Main road  |
| Other roads and paths with pass                    |
| Telegraph line                                     |
| Temple, Muhammadan shrine, Sacred tomb             |
| Fort, ancient, recent, Mine                        |
| Temporarily occupied hut                           |
| Frontier wall, ancient, recent                     |
| Walled town, extant, ruined, Ruined mound (Stupa), |
| Ancient site, watch-tower, Cairn                   |
| Route with camp, 1900-01                           |
| Route with camp, 1906-08                           |
| Route with camp, 1913-15                           |
| Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Camps of Sir A. Stein and Afraz Gul in 1913-15     |
| Camps of R. B. Lal Singh in 1913-15                |



CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

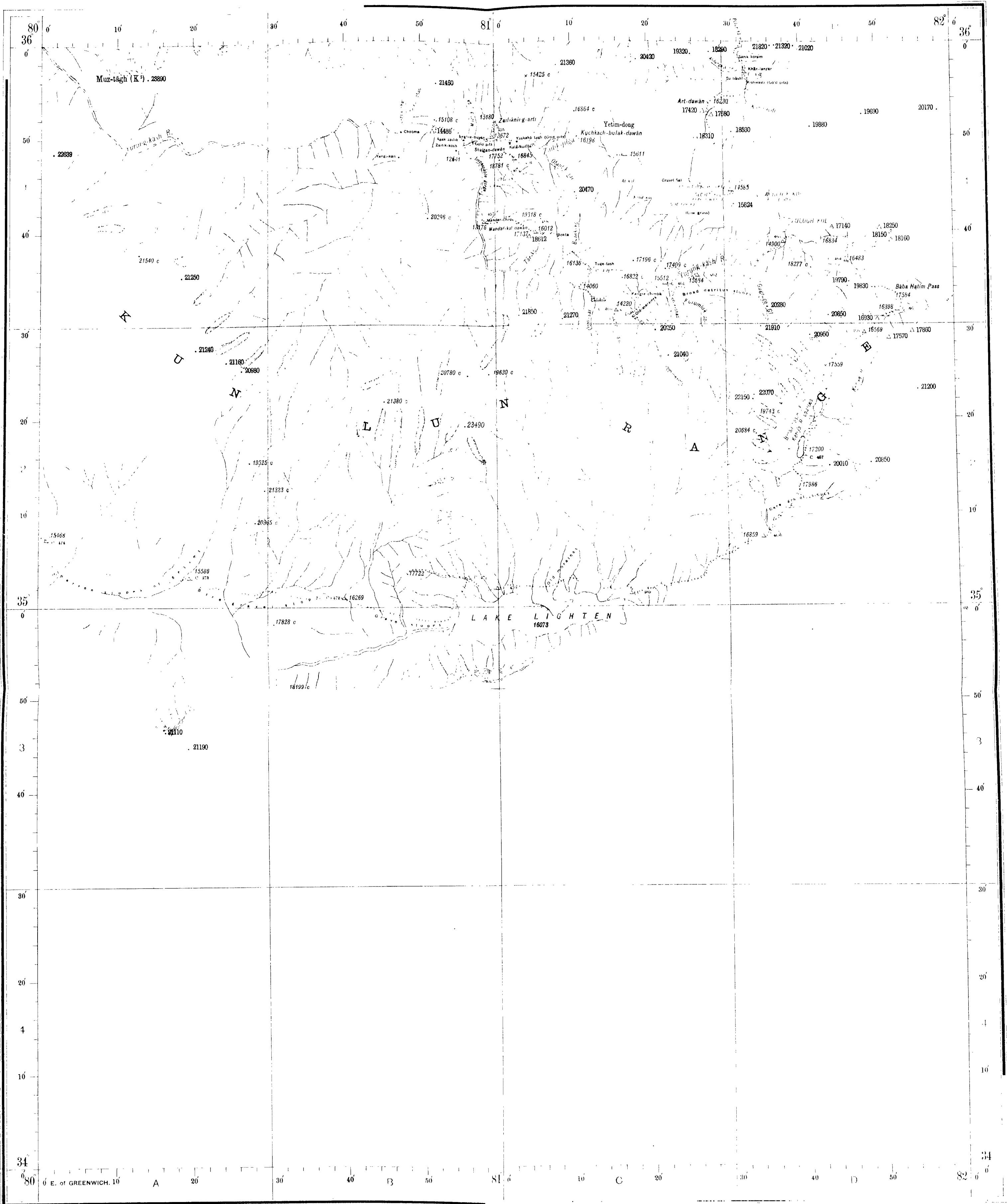
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

YURUNG-KASH AND KERIYA R. SOURCES.

SURVEY OF INDIA No. 61 N. W.

SERIAL No. 15



Scale 1 500,000 or 1 014 inches to 8 Miles

Index to localities

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yāndang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamansk cones living; dead

Wild poplars (Toghraks) living; dead

Tamarisks living; dead Conifers

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

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EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak Spring Kul, Kol Lake P'ao-tzu, Pu-tzu (Chin.) Walled village

Chap Hill stream Kum Sand Sai Desert of stone or gravel

Daryh River Kumush Reeds Shan (Chin.) Mountain

Dawān Pass Kurghān Tower Ta-fan (Chin.) Pass

Dong Hill Langar, Lr Rest house Tagh Mountain

Ho (Chin.) River Mazar, Mr Saint's tomb Toghrak Poplar

Jilga, d Valley Miao (Chin.) Temple Ustang Canal

Karaul Watch station Oghil Shepherd station Yailak, Yailagh Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well. Kārez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort, ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined. Ruined mound (Stūpa)

Ancient site watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15

Camps of Sir A. Stein and Alrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15









## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

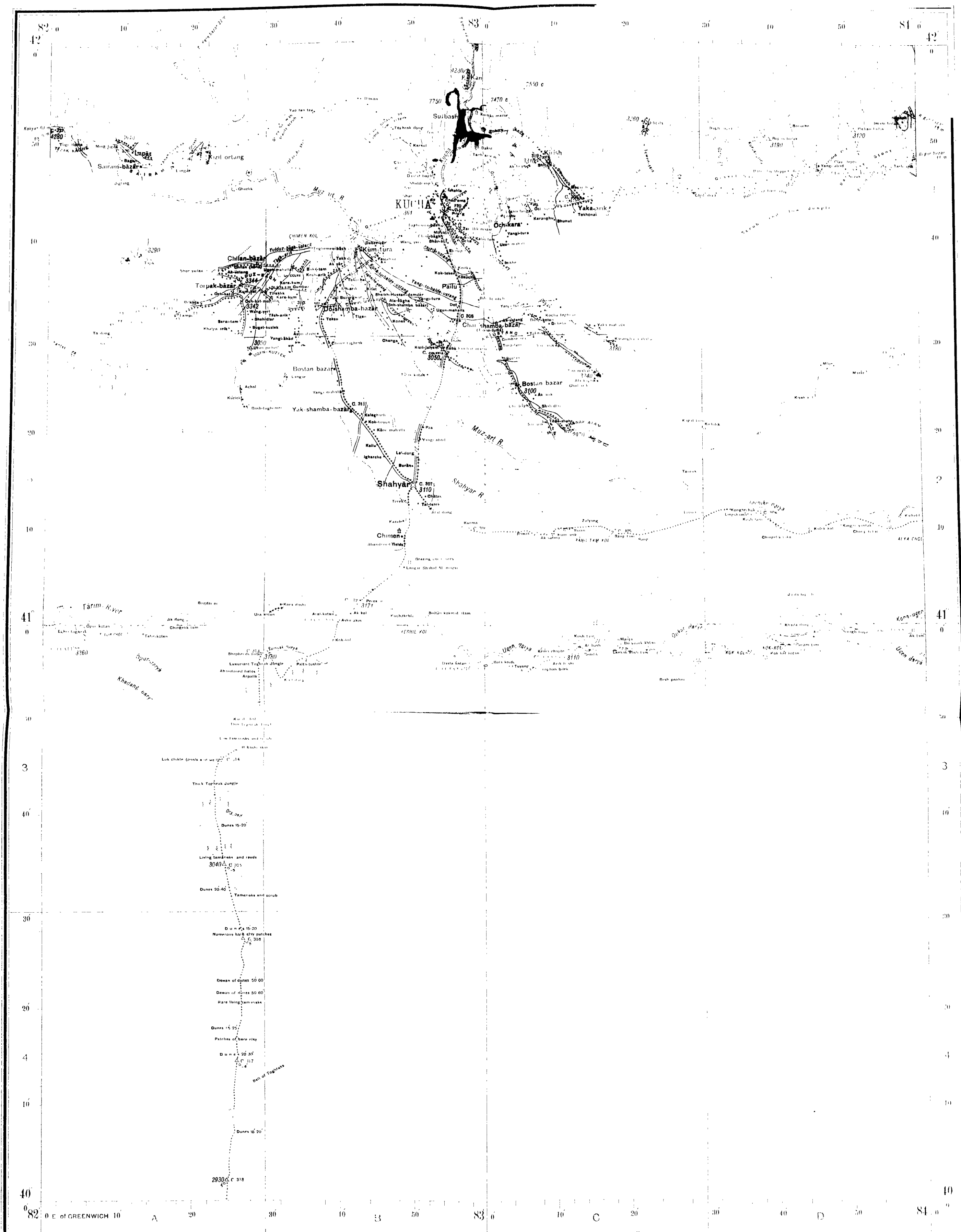
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No N K-44  
(CARTE INTERNATIONALE DU MONDE)

KUCHA

SERIAL No. 17



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living: dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks, living: dead Conifers

Index to localities

Lugat

Kucha

Torpak

Shahyar

Boslan

Chien

Torpak

Shahyar

Boslan

Chien

Torpak

Shahyar

Boslan

Chien

Torpak

Shahyar

Boslan

Chien

Torpak

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Offg. Surveyor-General of India,

1919

Scale 1:500,000 or 1:614 inches to 8 Miles

Miles 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Po-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Le   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mi    | Saint's tomb     | Taghrak                  | Poplar                    |
| Jilga, J.  | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

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16

17

18

19

20

21

22

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alfred Gul in 1913-15

Camps of R. B. Lai Singh in 1913-15

Copies of this map are to be found on hand from the Survey of India Office, 11, Map Room and Base Branch, Calcutta. Price One Rupee



CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

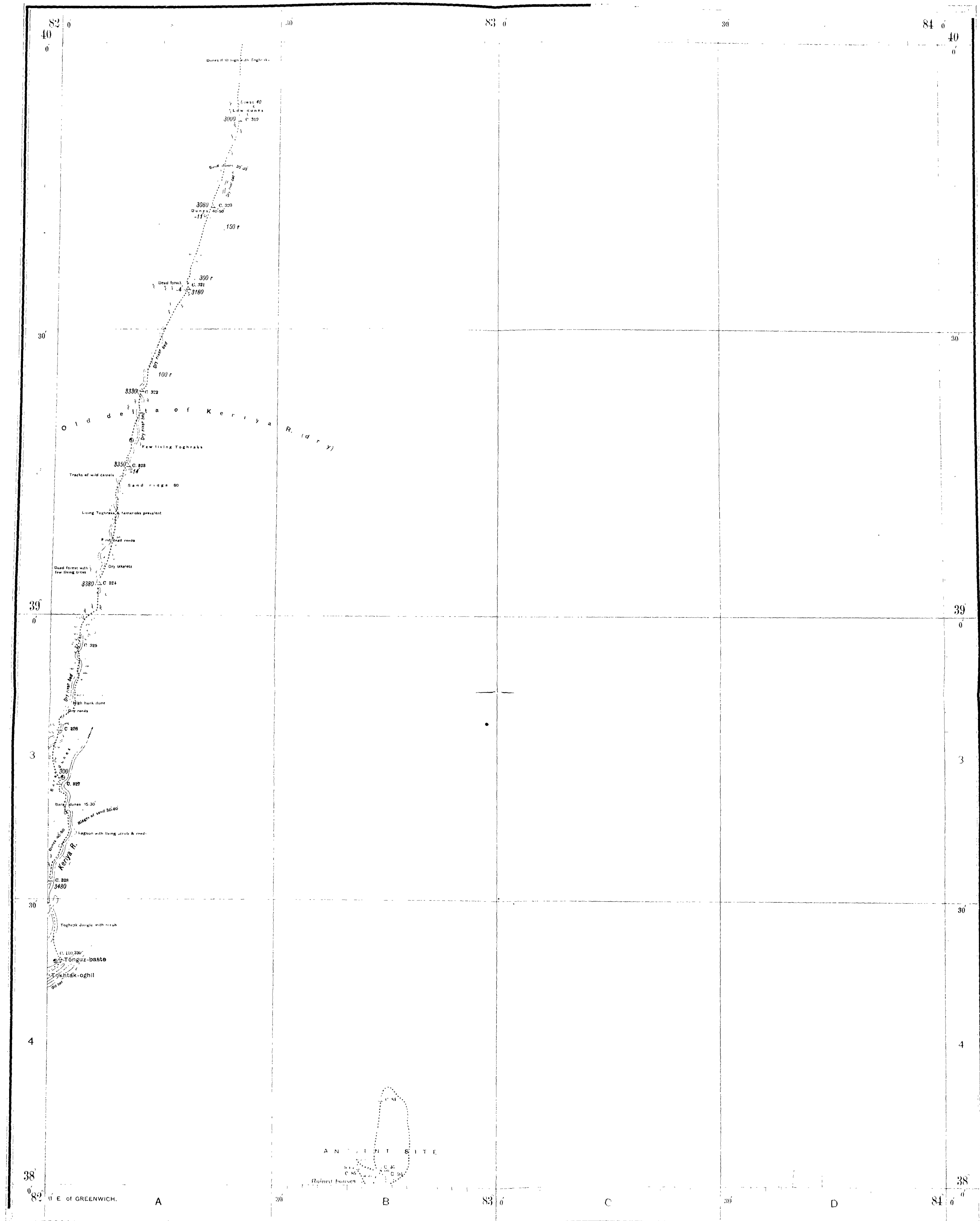
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 60 N.E.

KERIYA RIVER END

SERIAL No. 18



| Index to localities                           |       | Index to adjoining sheets |       |
|---|-------|---------------------------|-------|
| Latitude Stn. Azimuth Stn. Triangulation Stn. | 13277 | 13278                     | 13279 |
| Heights by theodolite, by clinometer          | 13277 | 13278                     | 13279 |
| Heights by barometer or hypsometer            | 13277 | 13278                     | 13279 |
| Perpetual snow (approximate)                  | 13277 | 13278                     | 13279 |
| Drift sand area                               | 13277 | 13278                     | 13279 |
| Erosion terraces, Mns, Yardang                | 13277 | 13278                     | 13279 |
| Hard salt crust                               | 13277 | 13278                     | 13279 |
| Hard salt encrusted clay                      | 13277 | 13278                     | 13279 |
| Soft salt encrusted clay                      | 13277 | 13278                     | 13279 |
| Cultivation unsurveyed                        | 13277 | 13278                     | 13279 |
| Edges of cultivation, etc., where surveyed    | 13277 | 13278                     | 13279 |
| Reeds or low scrub living; dead               | 13277 | 13278                     | 13279 |
| Sandy tract with scrub or prairie             | 13277 | 13278                     | 13279 |
| Tamansk cones living; dead                    | 13277 | 13278                     | 13279 |
| Wild poplars (Toghraks) living; dead          | 13277 | 13278                     | 13279 |
| Tamansk living; dead; Conifers                | 13277 | 13278                     | 13279 |

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Scale 1:500,000 or 1:1014 inches to 8 miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

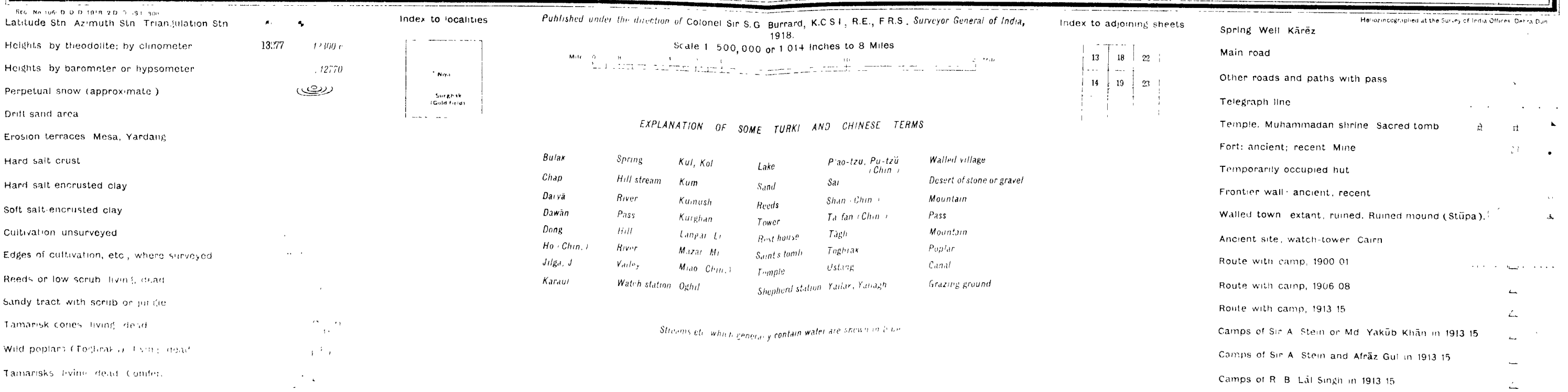
|            |               |             |                  |                |                           |
|------------|---------------|-------------|------------------|----------------|---------------------------|
| Bu-ak      | Spring        | Ku, k. k.   | Lake             | Pu-ku, Pu, ku  | Walled village            |
| Ch'iu      | Hot stream    | Kum         | Sand             | Shu            | Quartz of stone or gravel |
| Du-ka      | River         | Kun-ku      | Reeds            | Shan (Chin.)   | Mountain                  |
| Du-ku      | Pass          | Kun-gan     | Tower            | Fa-fan (Chin.) | Pass                      |
| Hu-ku      | Lagoon, Le    | Rest house  | Tagh             | Mountain       |                           |
| He (Chin.) | River         | Mazui, Ma   | Saint's tomb     | Paplar         | Canal                     |
| Ji-ku, J   | Valley        | Mao (Chin.) | Tomb             | Ustang         |                           |
| Kar-ku     | Watch station | Qigil       | Shepherd station | Yarak, Yalagh  | Grazing ground            |

Abundant etc. which generally require water are shown in blue



1900-01, 1906-08, 1913 15.

SERIAL No. 19



Open Map Ratio and Issue History Table: [Click Here to Download](#)





## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

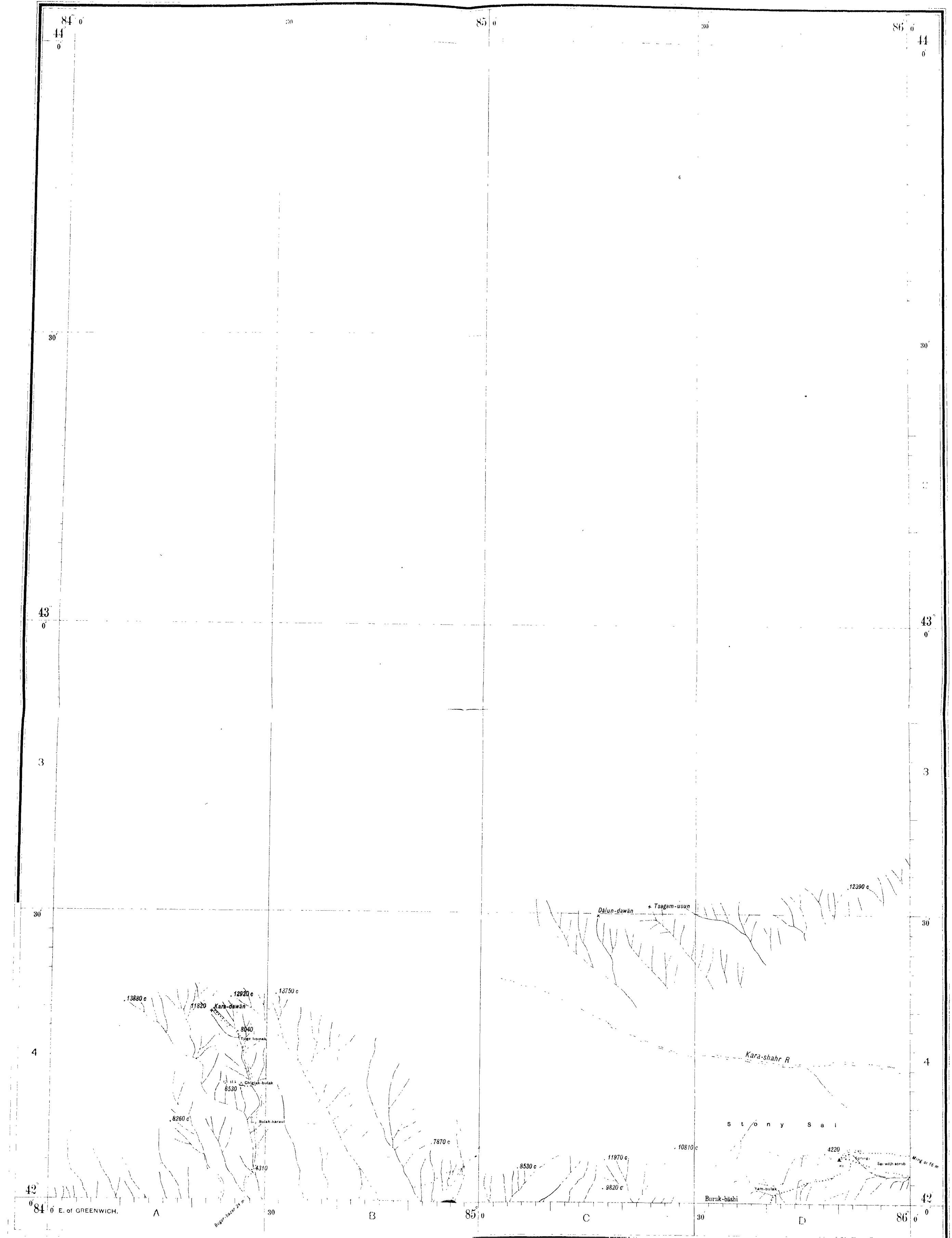
1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

KARA DAWAN, KARA SHAHR R.

SERIAL No. 20

No. 1156 D.D. 1918-20 (1:51,800)  
Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer .13277 .12100 c

Heights by barometer or hypsometer .12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces: Mesa, Yardang.

Hard salt crust

Hard salt encrusted clay

Soft salt-encrusted clay

Cultivation-unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living, dead Conifers

Index to localities

Kara-dawan

Kara-shahr

Kara-shahr R.

Kara-shahr

Kara-shahr

Kara-shahr

Kara-shahr

Kara-shahr

Kara-shahr

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Kara-shahr

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1:500,000 or 1:1,014 inches to 8 miles

16 20 21

17 21 25

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak Spring Kul, Kol Lake P'ao-tzu, Pu tzu (Chin.) Walled village

Chap Hill stream Kum Sand Sai Desert of stone or gravel

Darya River Kumush Reeds Shan (Chin.) Mountain

Dawan Pass Kurghan Tower Ta-fan (Chin.) Pass

Dong Hill, Li Rest house Tagh Mountain

Ho (Chin.) River Mazar, Mr. Saint's tomb Toghrak Poplar

Jilga, J. Valley Miao (Chin.) Temple Ustang Canal

Karaul Watch station Oghil Shepherd station Yalak, Yalagh Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Heliozincographed at the Survey of India Office, Delhi, India

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## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

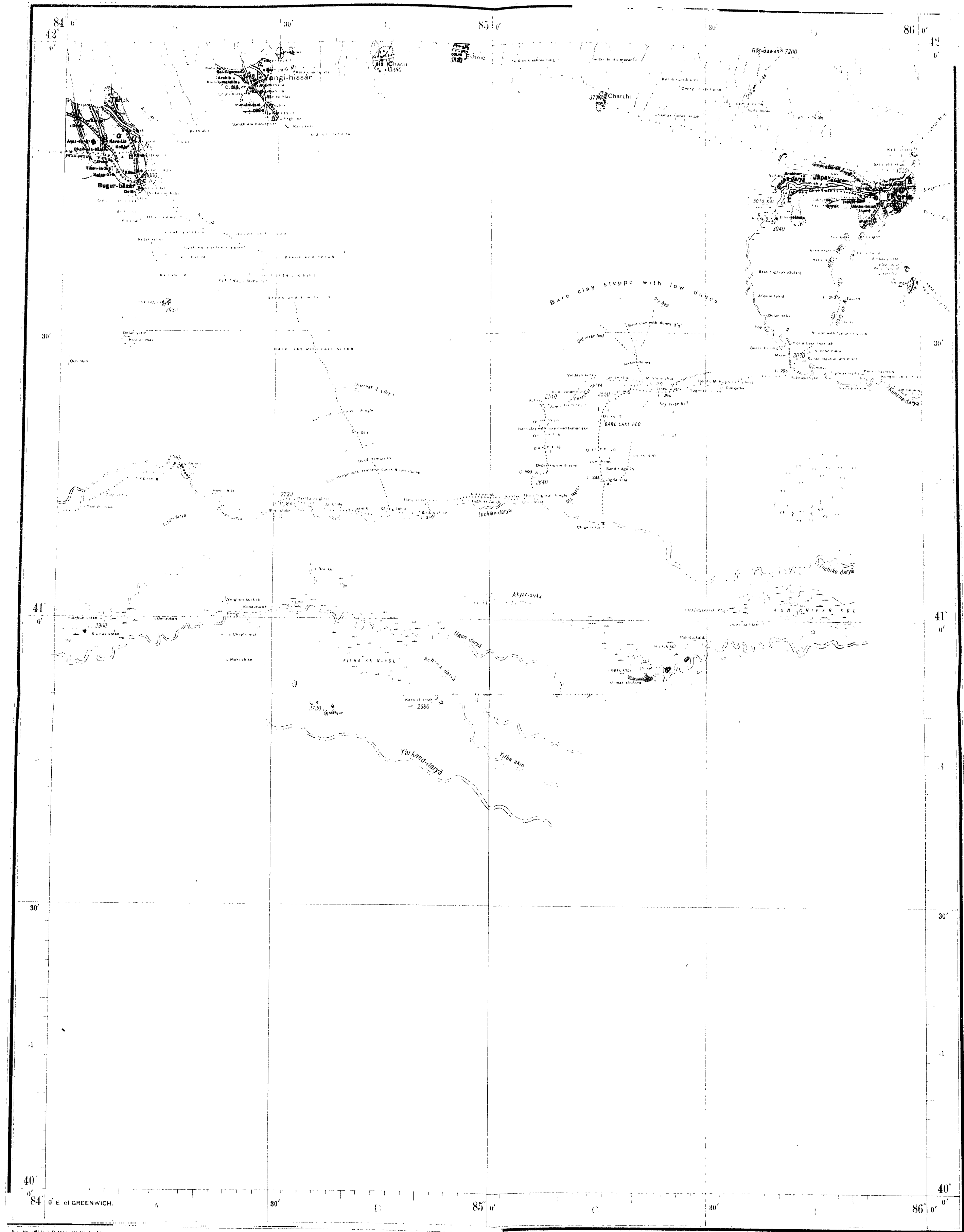
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45  
(CARTE INTERNATIONALE DU MONDE)

BUGUR, KORLA

SERIAL No. 21



|  |  |                           |  |
|--|--|---------------------------|--|
| Index to localities                        | Published under the direction of Colonel Sir S. G. Burdard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918. | Index to adjoining sheets | Spring Well Karez                                  |
| Heights: by theodolite, by clinometer      | Scale 1:500,000 or 1:1014 inches to 8 miles  | 16 20 24                  | Main road  |
| Heights: by barometer or hypsometer        | 13277 12200 c  | 17 21 25                  | Other roads and paths with pass                    |
| Perpetual snow (approximate)               | 12770  | 18 22 26                  | Telegraph line                                     |
| Drift-sand area                            |  |                           | Temple Muhammadan shrine Sacred tomb               |
| Erosion terraces Mrs. A. Yandag            |  |                           | Fort: ancient; recent Mine                         |
| Hard salt crust                            |  |                           | Temporarily occupied hut                           |
| Hard salt-encrusted clay                   |  |                           | Frontier wall: ancient, recent                     |
| Soft salt-encrusted clay                   |  |                           | Walled town: extant, ruined, Ruined mound (Stupa)  |
| Cultivation unsurveyed                     |  |                           | Ancient site, watch-tower, Cairn                   |
| Edges of cultivation, etc., where surveyed |  |                           | Route with camp, 1900-01                           |
| Reeds or low scrub living, dead            |  |                           | Route with camp, 1906-08                           |
| sandy tract with scrub or jungle           |  |                           | Route with camp, 1913-15                           |
| Tamarisk cones living, dead                |  |                           | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Wild poplars (Tuplars) living, dead        |  |                           | Camps of Sir A. Stein and Afraz Gul in 1913-15     |
| Tamarisks living, dead, Conifers           |  |                           | Camps of R. B. Lal Smith in 1913-15                |

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                 |                           |
|------------|---------------|--------------|------------------|-----------------|---------------------------|
| Bulak      | Spring        | Kul, Kul     | Lake             | Pao-tzu, Pu-tzu | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sui             | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan - Chin.    | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan - Chin.  | Pass                      |
| Dong       | Hill          | Lingar, Lr   | Rest house       | Tagh            | Mountain                  |
| Hu (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghriak        | Poplar                    |
| Jiagh, J   | Valley        | Miao - Chin. | Temple           | Ustang          | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh | Grazing ground            |

Streams etc. which generally contain water are shown in blue



CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

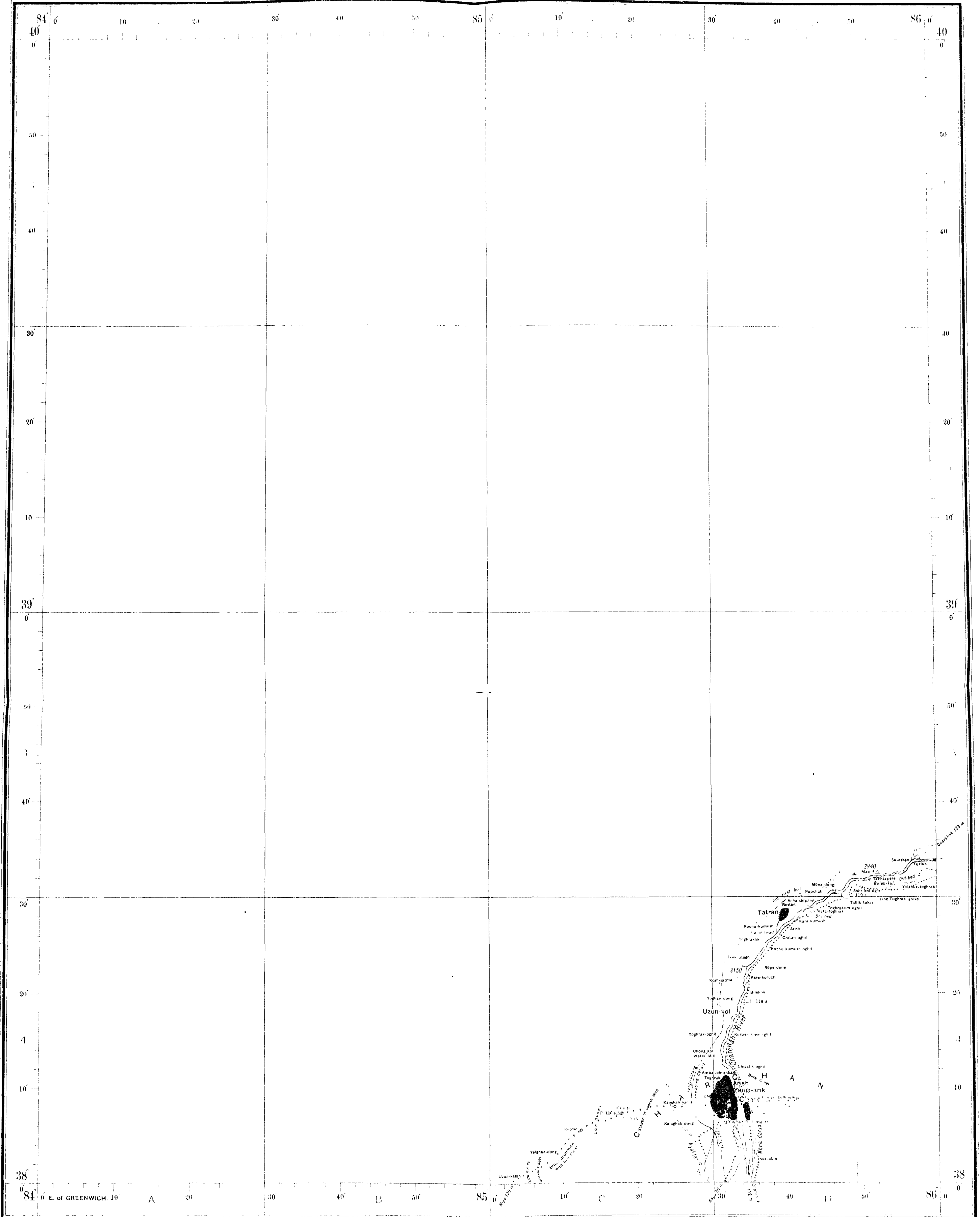
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 N. W.

CHARCHAN

SERIAL No. 22



|   |                     |  |                           |   |
|---|---------------------|--|---------------------------|---|
| Res. No. 1036 D. O. 1918. 2 D. O. 131. 190            | Index to localities | Published under the direction of Colonel Sir S. G. Burdard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918. | Index to adjoining sheets | Hot. L. on. in. at the S. of India Office, Delhi, 1918. |
| Latitude Stn. Azimuth Stn. Triangulation Stn.         |                     | Scale 1 500,000 or 1 014 inches to 8 Miles   |                           |   |
| Heights: by theodolite, by clinometer .13277 .12300 c |                     |  | 17 21 25                  | Spring Well, Karez                                      |
| Heights: by barometer or hypsometer .12770            |                     |  | 18 22 26                  | Main road   |
| Perpetual snow (approximate)                          |                     |  | 19 23 27                  | Other roads and paths with pass                         |
| Drift-sand area                                       |                     |  |                           | Telegraph line  |
| Erosion terraces. Mesa, Yardang                       |                     |  |                           | Temple, Muhammadan shrine Sacred tomb                   |
| Hard salt crust                                       |                     |  |                           | Fort: ancient, recent, Mine                             |
| Hard salt encrusted clay                              |                     |  |                           | Temporarily occupied hut                                |
| Soft salt encrusted clay                              |                     |  |                           | Frontier wall: ancient, recent                          |
| Cultivation unsurveyed                                |                     |  |                           | Walled town extant; ruined. Ruined mound (Stupa).       |
| Edges of cultivation, etc., where surveyed            |                     |  |                           | Ancient site: watch-tower. Cairn                        |
| Reeds or low scrub: living; dead                      |                     |  |                           | Route with camp, 1900-01                                |
| Sandy tract with scrub or jungle                      |                     |  |                           | Route with camp, 1906-08                                |
| Tamansk cones: living; dead                           |                     |  |                           | Route with camp, 1913-15                                |
| Wild poplars (Toghrahs) living; dead                  |                     |  |                           | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15      |
| Tamansks: living; dead Conifers                       |                     |  |                           | Camps of Sir A. Stein and Afrāz Gul in 1913-15          |
|   |                     |  |                           | Camps of R. B. Lal Singh in 1913-15                     |

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                         |                           |
|------------|---------------|--------------|------------------|-------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | Pao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                     | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)            | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)          | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                    | Mountain                  |
| Ho (Chin.) | River         | Mazir, Mr    | Saint's tomb     | Toghrak                 | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                  | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yaliak, Yailagh         | Grazing ground            |

Streams etc. which generally contain water are shown in blue



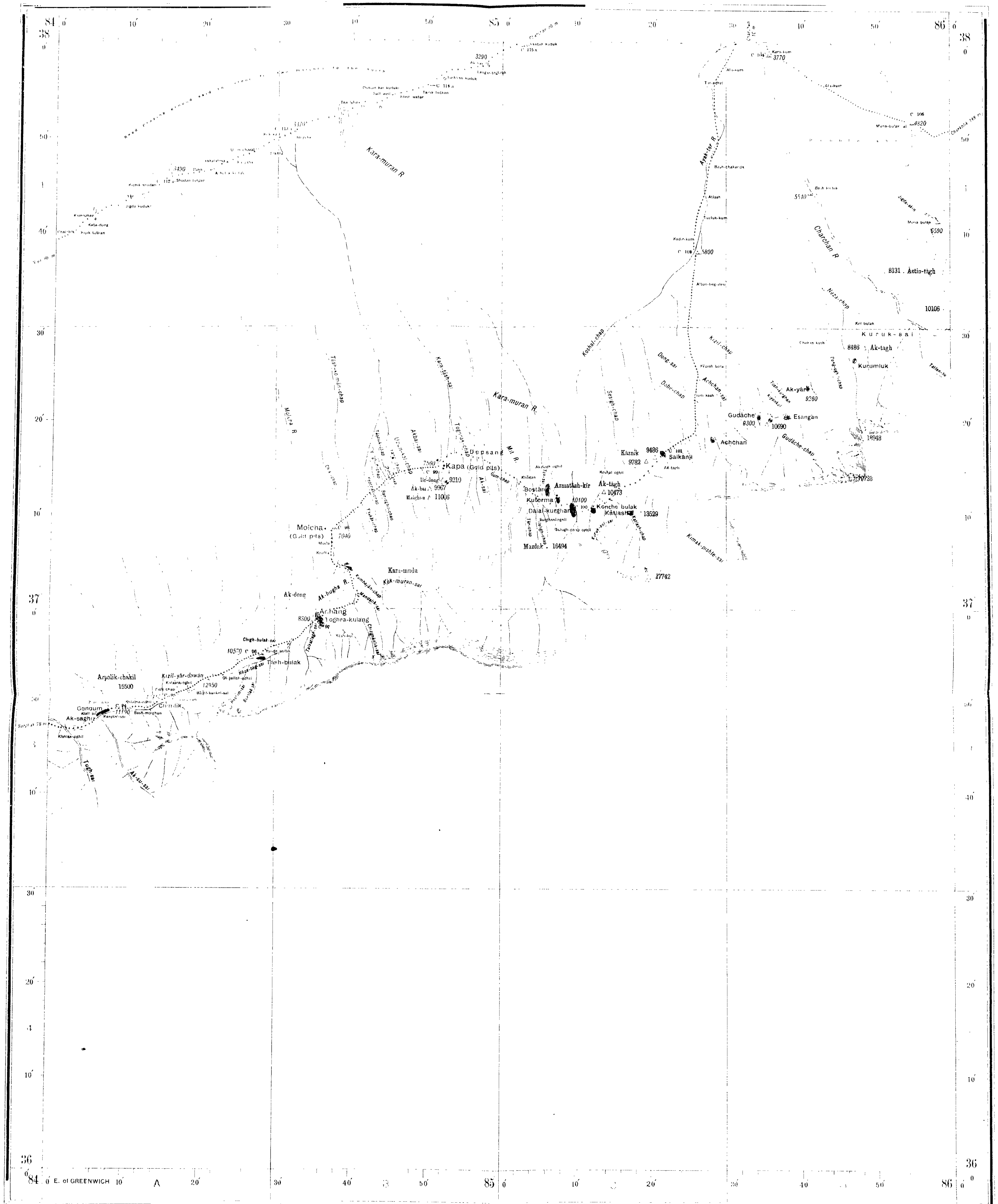
CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 S. W.

KAPA, ACHCHAN

SERIAL No. 23



| Index to localities                        | Index to localities | Index to localities |
|--|---------------------|---------------------|
| Heights: by theodolite, by clinometer      | 13277               | 12900               |
| Heights: by barometer or hypsometer        |                     | 12770               |
| Perpetual snow (approximate)               |                     |                     |
| Drift sand area                            |                     |                     |
| Erosion terraces: Mesa Yardang             |                     |                     |
| Hard salt crust                            |                     |                     |
| Hard salt encrusted clay                   |                     |                     |
| Soft salt encrusted clay                   |                     |                     |
| Cultivation unsurveyed                     |                     |                     |
| Edges of cultivation, etc., where surveyed |                     |                     |
| Reeds or low scrub living, dead            |                     |                     |
| Sandy tract with scrub or jungle           |                     |                     |
| Tamarisk cones living, dead                |                     |                     |
| Wild poplars (Tethraks) living, dead       |                     |                     |
| Tamarisks, living, dead Conifers           |                     |                     |

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Scale 1:500,000 or 1:1014 inches to 8 miles

Miles 10 20 30 40 50 60 70 80 90 100

EXPLANATION OF SOME TURKIC AND CHINESE TERMS

|            |               |              |                  |                  |                           |
|------------|---------------|--------------|------------------|------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'an-tzu, Pu-tzu | Walled village            |
| Chap       | Hill stream   | Kum          | Sang             | Sai              | Divert of stone or gravel |
| Darya      | River         | Kumush       | Reside           | Shan (Chin.)     | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)   | Pass                      |
| Dang       | Hill          | Langar, Le   | Rest house       | Tagh             | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mi    | Saint's tomb     | Teghrak          | Pass                      |
| Jilca, J   | Valley        | Miao (Chin.) | Temple           | Ustang           | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yalik, Yaliklagh | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

|    |    |    |
|----|----|----|
| 18 | 22 | 26 |
| 19 | 23 | 27 |

|  |
|--|
| Spring Well, Karez                                 |
| Main road  |
| Other roads and paths with pass                    |
| Telegraph line                                     |
| Temple: Muhammadan shrine, Sacred tomb             |
| Fort: ancient, recent, Mine                        |
| Temporarily occupied hut                           |
| Frontier wall: ancient, recent                     |
| Walled town: extant, ruined, Ruined mound (Stupa)  |
| Ancient site, watch tower, Camp                    |
| Route with camp, 1900-01                           |
| Route with camp, 1906-08                           |
| Route with camp, 1913-15                           |
| Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15 |
| Camps of Sir A. Stein and Alfred Guérin in 1913-15 |
| Camps of R. B. Lal Singh in 1913-15                |





CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

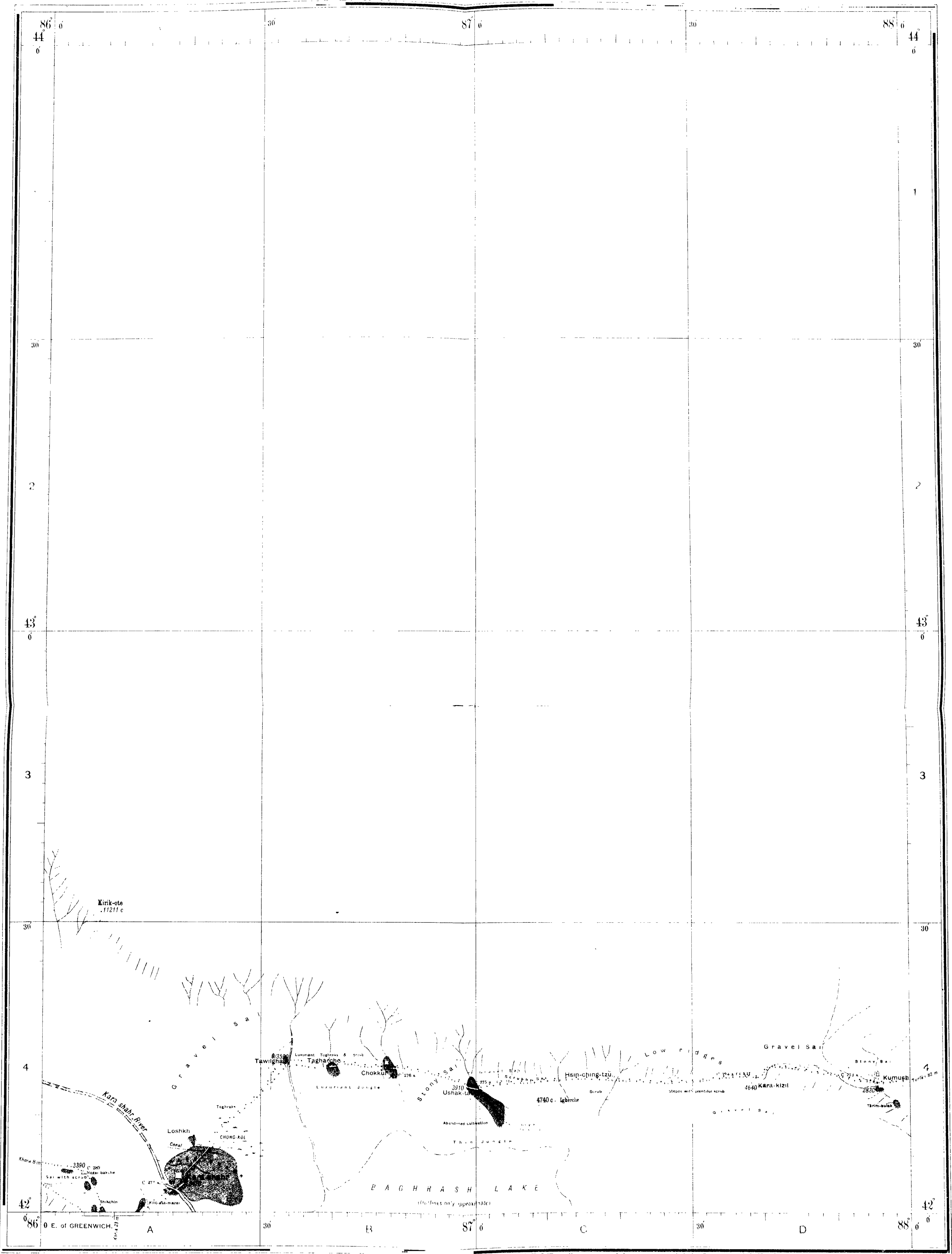
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

KARA-SHAHR.

SERIAL No. 24



|   |                     |   |  |
|---|---------------------|---|--|
| Revised No. 10000 D.D. 1913-20 D.S. 1-800     | Index to localities | Published under the direction of Colonel Sir S. G. Burdard, K.C.S.I., R.E., F.R.S., Surveyor General of India. Index to adjoining sheets. | Spring Well Karez                                  |
| Latitude Stn. Azimuth Stn. Triangulation Stn. |                     | Scale 1 500,000 or 1 014 Inches to 8 Miles  | Main road  |
| Heights by theodolite, by clinometer          | 13277 12300 c       |   | Other roads and paths with pass                    |
| Heights by barometer or hypsometer            | 12770               |   | Telegraph line                                     |
| Perpetual snow (approximate)                  |                     |   | Temple, Muhammadan shrine Sacred tomb              |
| Drift sand area                               |                     |   | Fort: ancient; recent Mine                         |
| Erosion terraces Mesa; Yardang                |                     |   | Temporarily occupied hut                           |
| Hard salt crust                               |                     |   | Frontier wall: ancient, recent                     |
| Hard salt-encrusted clay                      |                     |   | Walled town: extant, ruined Ruined mound (Stupa)   |
| Soft salt-encrusted clay                      |                     |   | Ancient site, watch-tower Cairn                    |
| Cultivation unsurveyed                        |                     |   | Route with camp, 1900-01                           |
| Edges of cultivation, etc., where surveyed    |                     |   | Route with camp, 1906-08                           |
| Reeds or low scrub living; dead               |                     |   | Route with camp, 1913-15                           |
| Sandy tract with scrub or jungle              |                     |   | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Tamarisk cones living; dead                   |                     |   | Camps of Sir A. Stein and Afrāz Gul in 1913-15     |
| Wild poplars (Toghraks) living; dead          |                     |   | Camps of R. B. Lal Singh in 1913-15                |
| Tamarisks living; dead Conifers               |                     |   |  |

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak.     | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan.     | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh.                    | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr.   | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yalak, Yalagh            | Grazing ground            |

Streams etc., which generally contain water are shown in blue



CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

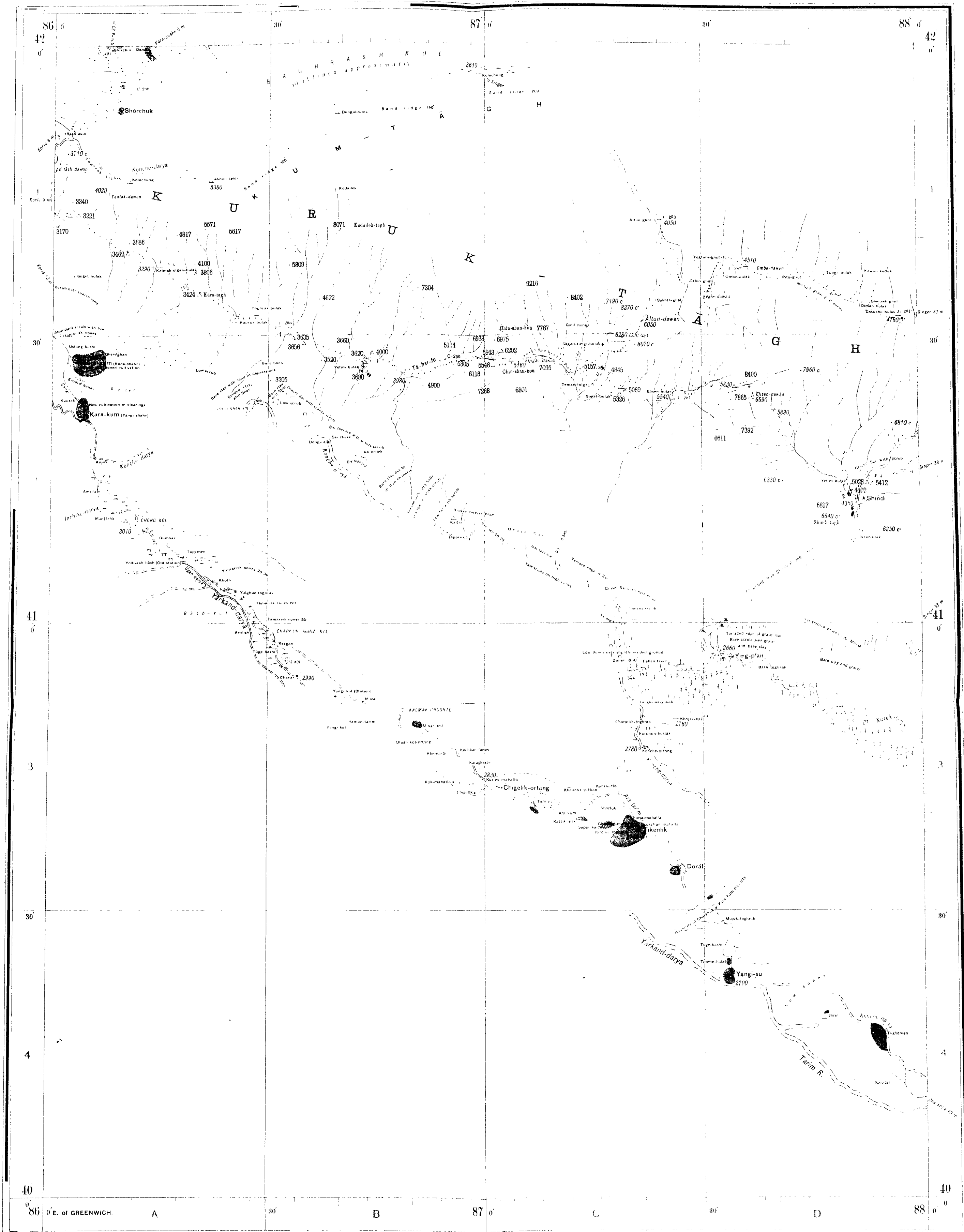
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

KONCHE-DARYÄ

SERIAL No. 25



Scale 1:500,000 or 1:101,400 inches to 8 miles

Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghrak) living, dead

Tamarisks living, dead Conifers

Index to localities

Kara-kum

Shandi

Toghrak

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Scale 1:500,000 or 1:101,400 inches to 8 miles

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56 57 58

59 60 61

62 63 64

65 66 67

68 69 70

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |            |                  |                         |                            |
|-----------|---------------|------------|------------------|-------------------------|----------------------------|
| Bulak     | Spring        | Kul, Kai   | Lake             | P'ao-tzu, Pu-tzu (Chin) | Walled village             |
| Chap      | Hill stream   | Kum        | Sand             | Sai                     | Desert of stones or gravel |
| Darya     | River         | Kumush     | Reeds            | Shan (Chin)             | Mountain                   |
| Dawan     | Pass          | Kuighan    | Tower            | Ta-fan (Chin)           | Pass                       |
| Dong      | Hill          | Langai, Li | Rest house       | Tagh                    | Mountain                   |
| Ho (Chin) | River         | Mazar, Mi  | Saint's tomb     | Toghrak                 | Poplar                     |
| Jilga, J  | Valley        | Miao-Chin  | Temple           | Ustang                  | Carav                      |
| Karaul    | Watch station | Oghul      | Shepherd station | Yalak, Yalagh           | Grazing ground             |

Streams the which contain water are shown in blue

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

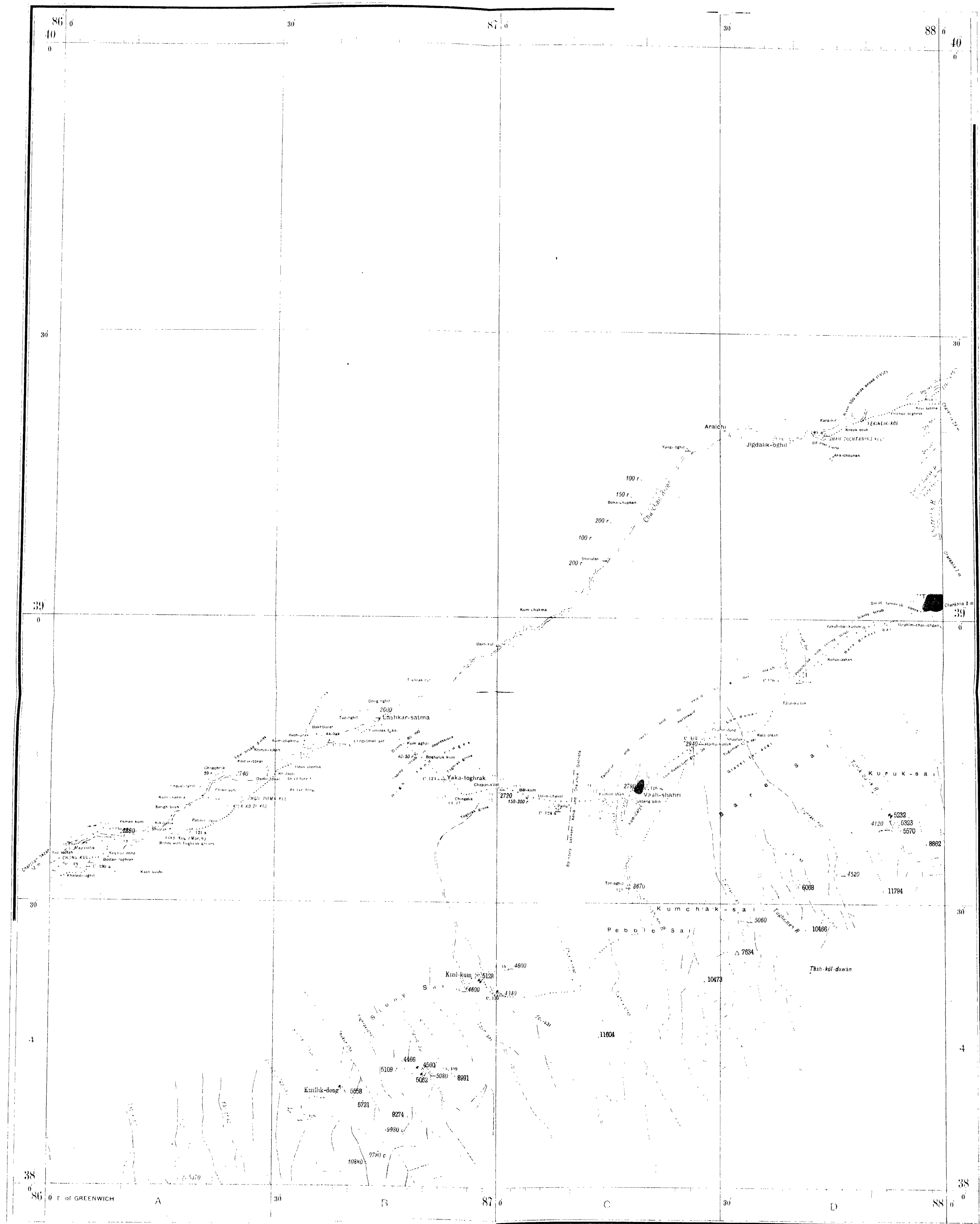
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 N. E.

VASH-SHAHRI

SERIAL No. 26



Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite by clinometer 13277 12890

Heights by barometre or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa Yardland

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living, dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India,

1918.

Scale 1 500,000 or 1 014 Inches to 8 Miles

Index to adjoining sheets

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |             |                  |                 |                           |
|-----------|---------------|-------------|------------------|-----------------|---------------------------|
| Bulak     | Spring        | Kul, Kal    | Lake             | Pao-tzu, Pu-tzu | Walled village            |
| Chap      | Hill stream   | Kum         | Sand             | Sai             | Desert of stone or gravel |
| Darya     | River         | Kumush      | Reeds            | Shan (Chin)     | Mountain                  |
| Dawan     | Pass          | Kurgan      | Tower            | Ta-fan (Chin)   | Pass                      |
| Dang      | Hill          | Langar, Lr  | Rust house       | Tagh            | Mountain                  |
| Ho (Chin) | River         | Mazar, Mr   | Saint's tomb     | Toghrak         | Poplar                    |
| Jiga, J   | Valley        | Miao (Chin) | Temple           | Ustang          | Canal                     |
| Karakul   | Watch station | Oghul       | Shepherd station | Yalak, Yaliagh  | Grazing ground            |

Streams etc. which generally contain water are shown in blue

|  |  |
|--|--|
| Spring Well, Karez                                 |  |
| Main road  |  |
| Other roads and paths with pass                    |  |
| Telegraph line                                     |  |
| Temple, Muhammadan shrine, Sacred tomb             |  |
| Fort, ancient, recent, Mine                        |  |
| Temporarily occupied hut                           |  |
| Frontier wall, ancient, recent                     |  |
| Walled town, extant, ruined, Ruined mound (Stupa)  |  |
| Ancient site, watch-tower, Cairn                   |  |
| Route with camp, 1900-01                           |  |
| Route with camp, 1906-08                           |  |
| Route with camp, 1913-15                           |  |
| Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |  |
| Camps of Sir A. Stein and Afrāz Gul in 1913-15     |  |
| Camps of R. B. Lal Singh in 1913-15                |  |



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

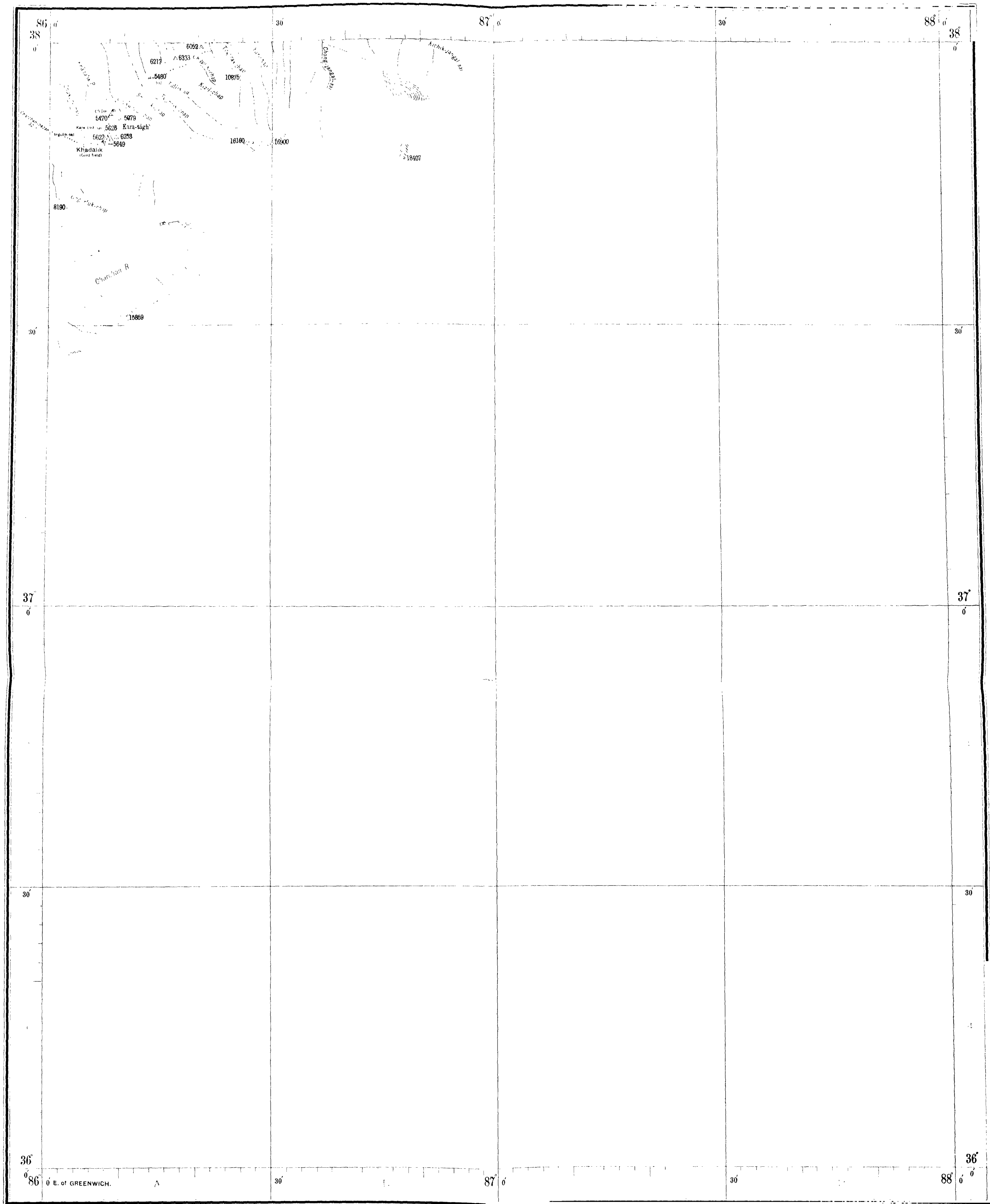
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 S. E.

KHĀDALIK.

SERIAL No. 27



Rel. heights by theodolite, by clinometer  
Latitude Stn. Azimuth Stn. Triangulation Stn.  
Heights by theodolite, by clinometer 13277 12300 c  
Heights by barometer or hypsometer 12770  
Perpetual snow (approximate)  
Drift-sand area  
Erosion terraces, Mesa, Yardang  
Hard salt crust  
Hard salt-encrusted clay  
Soft salt-encrusted clay  
Cultivation unsurveyed  
Edges of cultivation, etc., where surveyed  
Reeds or low scrub, living; dead  
Sandy tract with scrub or jungle  
Tamarisk cones, living; dead  
Wild poplars (Toghraks), living; dead  
Tamarisks, living; dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1:500,000 or 1:1014 inches to 8 miles

Miles 10 8 6 4 2 0 10 20 Miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                  |                           |
|------------|---------------|--------------|------------------|------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu | Walled village            |
| Chap.      | Hill stream   | Kum          | Sand             | Sai              | Desert of stone or gravel |
| Daryā      | River         | Kumush       | Reeds            | Shan (Chin.)     | Mountain                  |
| Dawān      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)   | Pass                      |
| Dong       | Hill          | Langer, Lr.  | Rest house       | Tāgh             | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr.   | Saint's tomb     | Toghrak          | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Üstang           | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh  | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well. Kārez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stūpa)

Ancient site; watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khān in 1913-15

Camps of Sir A. Stein and Alfrāz Gul in 1913-15

Camps of R. B. Lāl Singh in 1913-15

Copies of this map can be obtained on request from the Survey of India Office, Map Record and Issue Branch, Calcutta. Price: One Rupee





## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

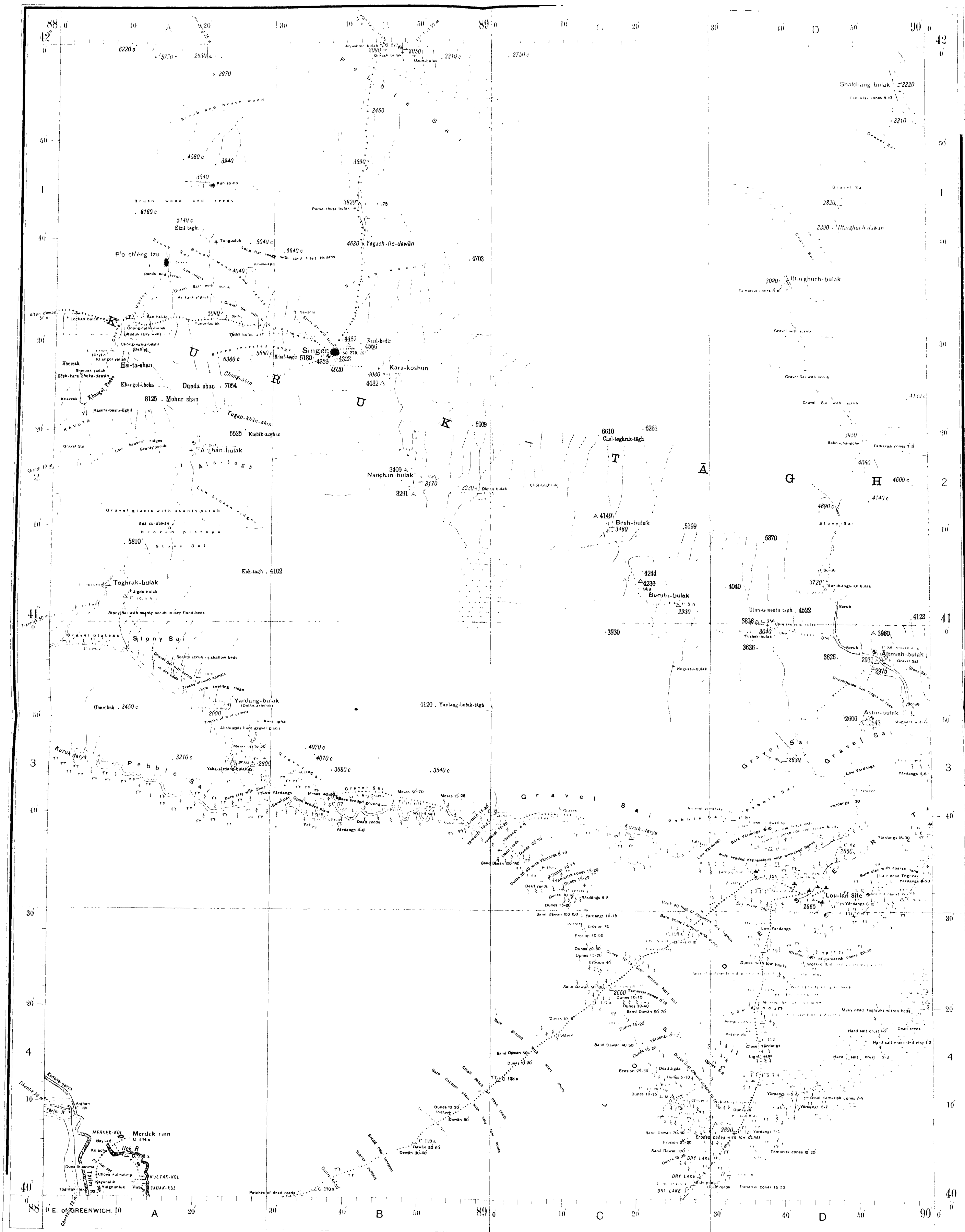
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913 15.

PART OF SHEET No. N. K-45  
(CARTE INTERNATIONALE DU MONDE)

SINGER, LOU-LAN

SERIAL No. 29



Rea. No. 1000 D. D. 1918 (20 00, 31, 100)

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite: by clinometer . 13277 . 12900 c

Heights: by barometer or hypsometer . 12770

Perpetual snow (approximate) . 12770

Drift-sand area . 12770

Erosion terraces Mesa, Yardang . 12770

Hard salt crust . 12770

Hard salt-encrusted clay . 12770

Soft salt-encrusted clay . 12770

Cultivation: unsurveyed . 12770

Edges of cultivation, etc., where surveyed . 12770

Reeds or low scrub: living; dead . 12770

Sandy tract with scrub or jungle . 12770

Tamarisk cones: living; dead . 12770

Wild poplars (Toghraks): living; dead . 12770

Tamarisks: living; dead Conifers . 12770

Index to localities

Singer

Atchuk-bulak

Low lake

Merdek

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1: 500,000 or 1:1,014,000, equivalent to 8 miles

Miles 10 5 0 5 10 20 Miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Py-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr.  | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yaliak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

|    |    |    |
|----|----|----|
| 24 | 28 | 31 |
| 25 | 29 | 32 |
| 26 | 30 | 33 |

Spring Well, Käröz

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall, ancient, recent

Walled town extant, ruined Ruined mound (Stupa)

Ancient site: watch-tower, Cairn

Route with camp, 1900 01

Route with camp, 1906 08

Route with camp, 1913 15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913 15

Camps of R. B. Lal Singh in 1913 15







## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

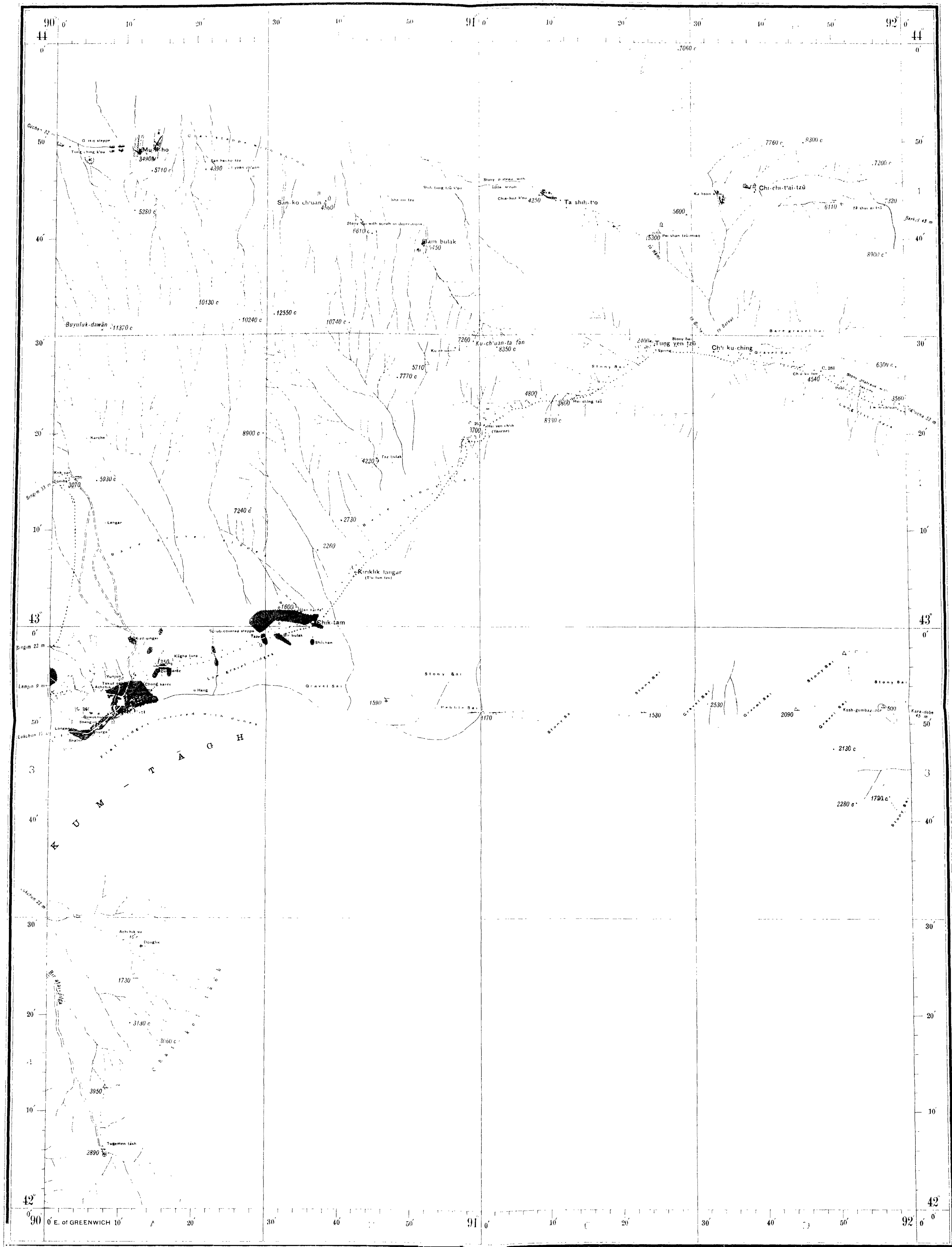
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46

(CARTE INTERNATIONALE DU MONDE)

PICHAN, CHIK-TAM.

SERIAL No. 31



Triangulation Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift-sand area

Erosion terraces: Mesa; Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation, unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Tograks): living; dead

Tamarisks: living; dead Conifers.

Index to localities

Mu-tu-ho

Chik-tam

Pichan

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., RE., Surveyor General of India.

Scale 1:500,000 or 1:1014 inches to 8 miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Hu (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jika, J    | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Kiraul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well. Karez

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lāl Singh in 1913-15

Copies of this map can be obtained on order from the Survey of India Office, Map Record and Issue Branch, Calcutta. Price One Rupee.



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

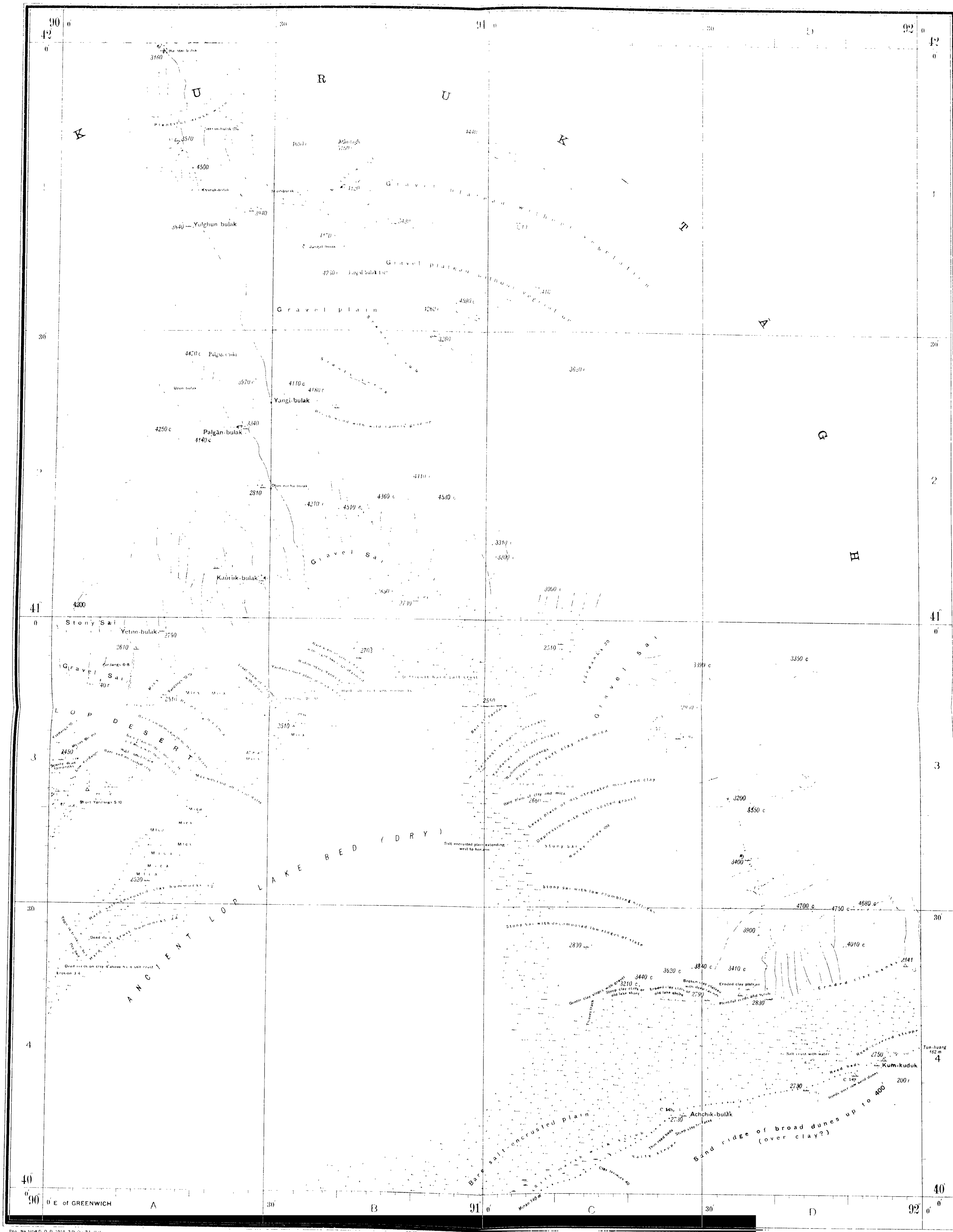
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46  
(CARTE INTERNATIONALE DU MONDE)

ANCIENT LOP LAKE BED.

SERIAL No. 32



No. 10465 D.D. 1918 20 5/31-1919

Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite, by clinometer 13777 13780

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mts. Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living dead Conifers

Index to localities

Yulghun bulak

Kaurink bulak

Kum-kuduk

Kum-kuduk

Kum-kuduk

Kum-kuduk

Kum-kuduk

Kum-kuduk

Kum-kuduk

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Kum-kuduk

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1 500,000 or 1 014 inches to 8 Miles

Index to adjoining sheets

28 31 34

29 32 35

30 33 36

31 34 37

32 35 38

33 36 39

34 37 40

35 38 41

36 39 42

37 40 43

38 41 44

39 42 45

40 43 46

41 44 47

42 45 48

43 46 49

44 47 50

45 48 51

46 49 52

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                 |                           |
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| Dawan      | Pass          | Kurgan       | Tower            | Ta-fan (Chin.)  | Pass                      |
| Dong       | Hill          | Langar, Le   | Rest house       | Tagh            | Mountain                  |
| Hu (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak         | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang          | Canal                     |
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Camps of Sir A. Stein and Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Mez. photographed at the Survey of India Office, Dehra Dun





## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

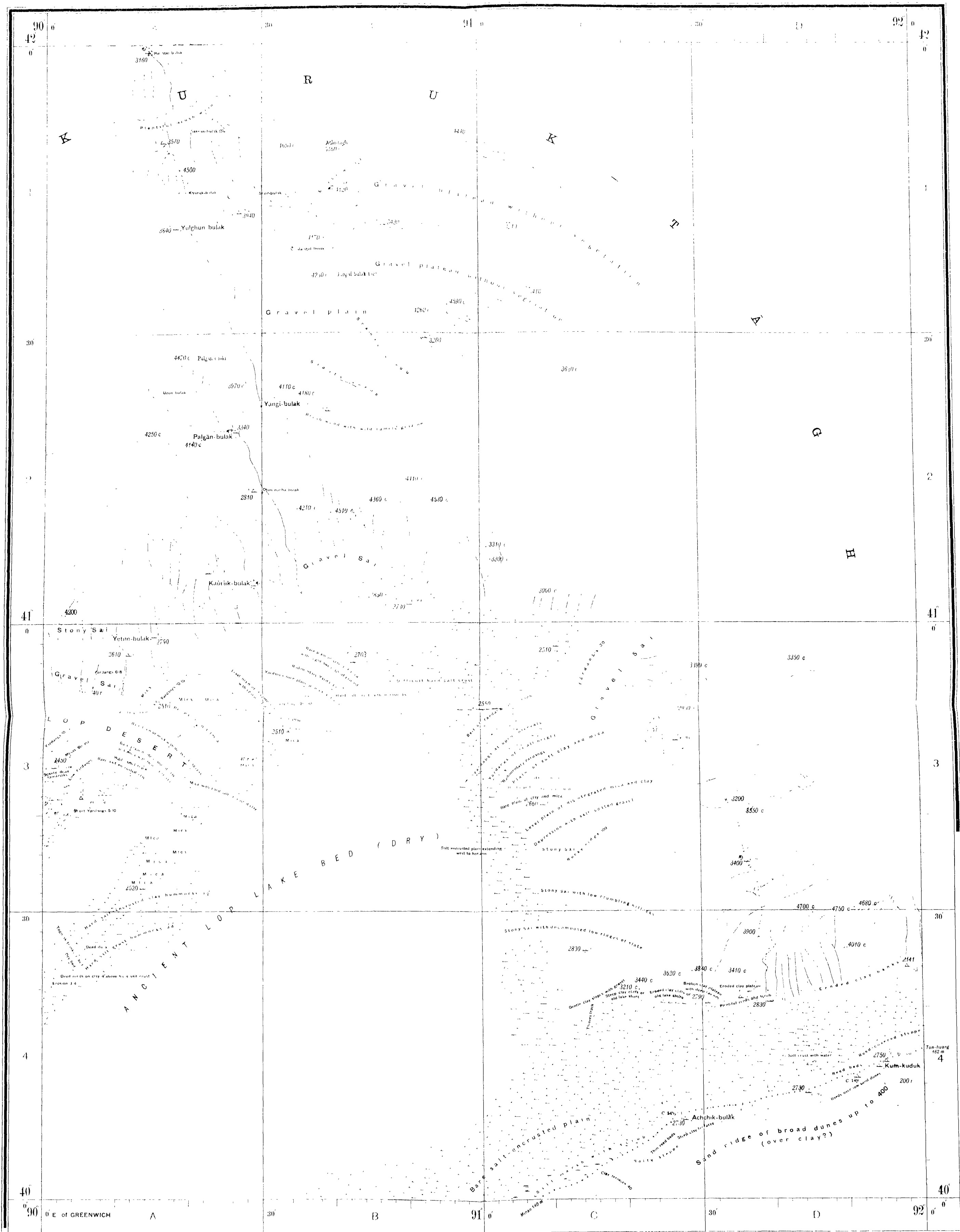
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46  
(CARTE INTERNATIONALE DU MONDE)

ANCIENT LOP LAKE BED.

SERIAL No. 32



Hrs. No. 1010 C. D. 1910 20 0 1 31 00

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces. Mesa. Yardang

Hard salt crust

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Soft salt encrusted clay

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Published under the direction of Colonel Sir S. G. Barrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1 500,000 or 1 014 inches to 8 Miles

Index to adjoining sheets

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
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| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurgan       | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dang       | Hill          | Langar, Lr   | Road house       | Tagh                     | Mountain                  |
| Hu (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilca, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc., which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

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Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Smith in 1913-15



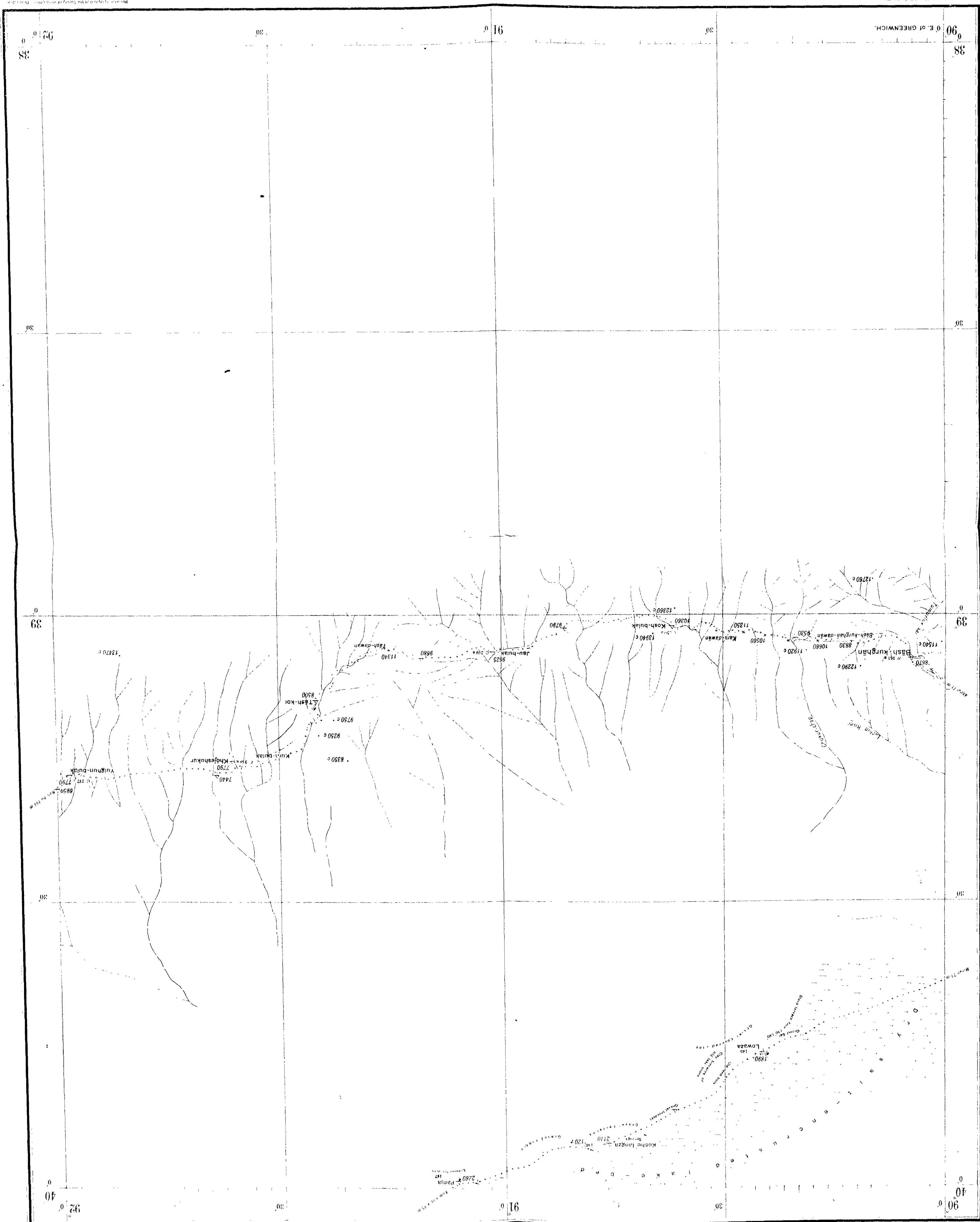
FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

LOWAZA, BASH-KURGHAN.

SERIAL NO. 33



90 | E. of GREENWICH.

Latitude Stn Azimuth Stn Triangulation Stn

heights, by barometer or hypsometer

(approximate snow perpetual)

Drift-sand area

Position terraces Mesa, Yárdang

hard salt encrusted clay

soft salt-encrusted clay

cultivation unsurveyed

degrees of cultivation, etc.

leads or low scrub

(continued)

[illegible]

ENTER A WINNERS NAME HERE

and bodies (company) and

Streams etc. which usually contain water is shown in blue.

[illegible]

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Scale 1 500,000 or 1 014 inches to 8 Miles

Latitude Stn Azimuth Stn Triangulation Stn

heights by theodolite; by clinometer

heights, by barometer or hypsometer

(approximate snow perpetual)

Drift-sand area

Position terraces Mesa, Yárdang

hard salt encrusted clay

soft salt-encrusted clay

cultivation unsurveyed

degrees of cultivation, etc., where surveys

dead

0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99

[illegible]

2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-2733, 2734-2735, 2736-2737, 2738-2739, 2740-2741, 2742-2743, 27

and bodies (referred to as

8124400 DEED "GULF SYNDICATE"



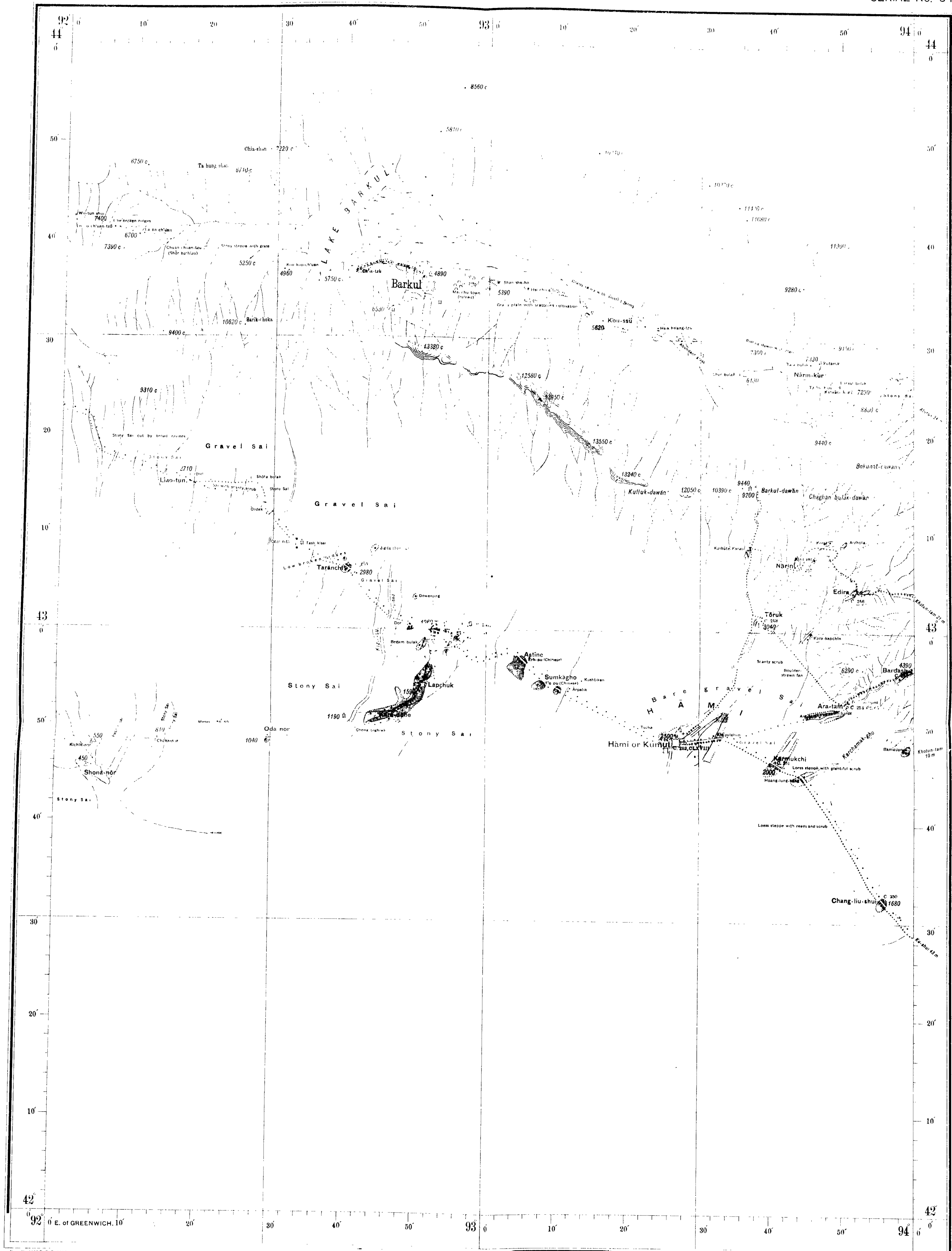
CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46  
(CARTE INTERNATIONALE DU MONDE)

BARKUL, HAMI.

SERIAL No. 34



| Latitude Stn                               | Azimuth Stn | Triangulation Stn |
|--|-------------|-------------------|
| 13277                                      | 12300 c     |                   |
| 12770                                      |             |                   |
| Perpetual snow (approximate)               |             |                   |
| Drift-sand area                            |             |                   |
| Erosion terraces, Mesa; Yardang            |             |                   |
| Hard salt crust                            |             |                   |
| Hard salt encrusted clay                   |             |                   |
| Soft salt encrusted clay                   |             |                   |
| Cultivation: unsurveyed                    |             |                   |
| Edges of cultivation, etc., where surveyed |             |                   |
| Reeds or low scrub: living; dead           |             |                   |
| Sandy tract with scrub or jungle           |             |                   |
| Tamarisk cones: living; dead               |             |                   |
| Wild poplars (Toghraks): living; dead      |             |                   |
| Tamarisks: living; dead Conifers           |             |                   |

|           |
|-----------|
| Barkul    |
| Toghraks  |
| Shana nor |
| Hami      |

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Offg. Surveyor-General of India, 1910.

Scale 1: 500,000 or 1:1014 inches to 8 miles

| EXPLANATION OF SOME TURKI AND CHINESE TERMS |               |              |                  |                          |
|---|---------------|--------------|------------------|--------------------------|
| Bulak                                       | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) |
| Chap  | Hill stream   | Kum          | Sand             | Sai                      |
| Darya                                       | River         | Kumush       | Reeds            | Shan (Chin.)             |
| Dawan                                       | Pass          | Kurgan       | Tower            | Ta-fan (Chin.)           |
| Dong  | Hill          | Langar, Lr   | Rest house       | Tagh                     |
| Ho (Chin.)                                  | River         | Mazār, Mr    | Saint's tomb     | Toghrak                  |
| Jilga, J                                    | Valley        | Miao (Chin.) | Temple           | Ustang                   |
| Karaul                                      | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          |
|   |               |              |                  | Grazing ground           |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets Spring Well, Karez

|    |    |    |
|----|----|----|
| 31 | 34 | 37 |
| 32 | 35 | 38 |

|  |
|--|
| Main road  |
| Other roads and paths with pass                    |
| Telegraph line                                     |
| Temple, Muhammadan shrine Sacred tomb              |
| Fort: ancient, recent Mine                         |
| Temporarily occupied hut                           |
| Frontier wall: ancient, recent                     |
| Walled town, extant; ruined. Ruined mound (Stupa)  |
| Ancient site: watch-tower, Cairn                   |
| Route with camp, 1900-01                           |
| Route with camp, 1906-08                           |
| Route with camp, 1913-15                           |
| Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Camps of Sir A. Stein and Afrāz Gul in 1913-15     |
| Camps of R. B. Lal Singh in 1913-15                |







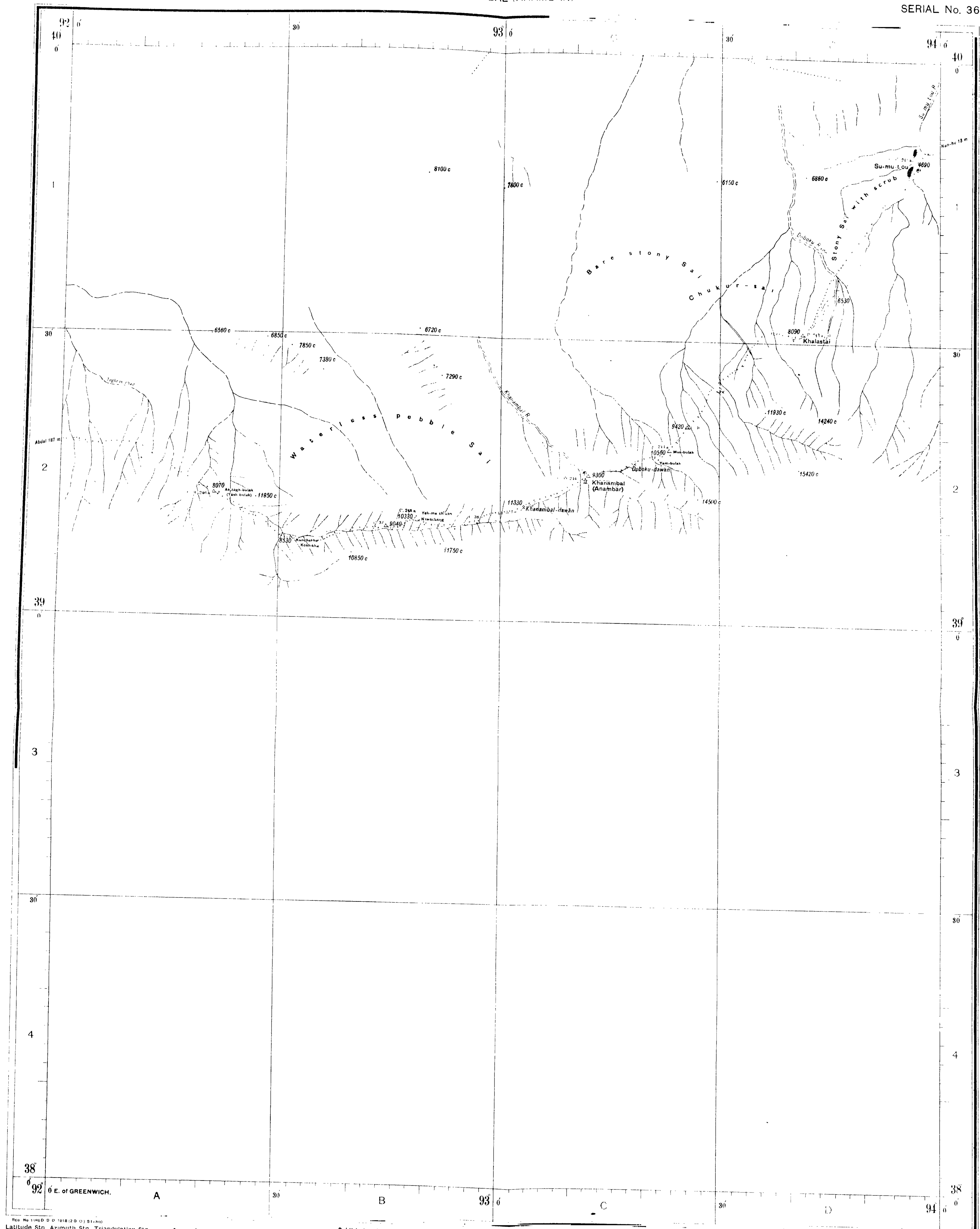


1900-01, 1906-08, 1913 15.

SURVEY OF INDIA No. 80 N. W.

KHANAMBAL (ANAMBAR)

SERIAL No. 36



Tamarisks living, dead Conifers . . .

Canter, J. (1997). *Managing the Merger Process*. London: Prentice Hall.

|            |               |              |                  |                              |                           |
|------------|---------------|--------------|------------------|------------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Py. tzu<br>(Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                          | Desert of stone or gravel |
| Darya      | River         | Kumuyah      | Reeds            | Shan (Chin.)                 | Mountain                  |
| Dawan      | Pass          | Kurgān       | Tower            | Ta-fan (Chin.)               | Pass                      |
| Dong       |               | Kulan, Lr    | Rest house       | Tagh                         | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                      | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                       | Canal                     |
| Karaul.    | Watch station | Oghi         | Shepherd station | Yailak, Yailagh              | Grazing ground            |

Streams etc. which generally contain water are shown in blue.



CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

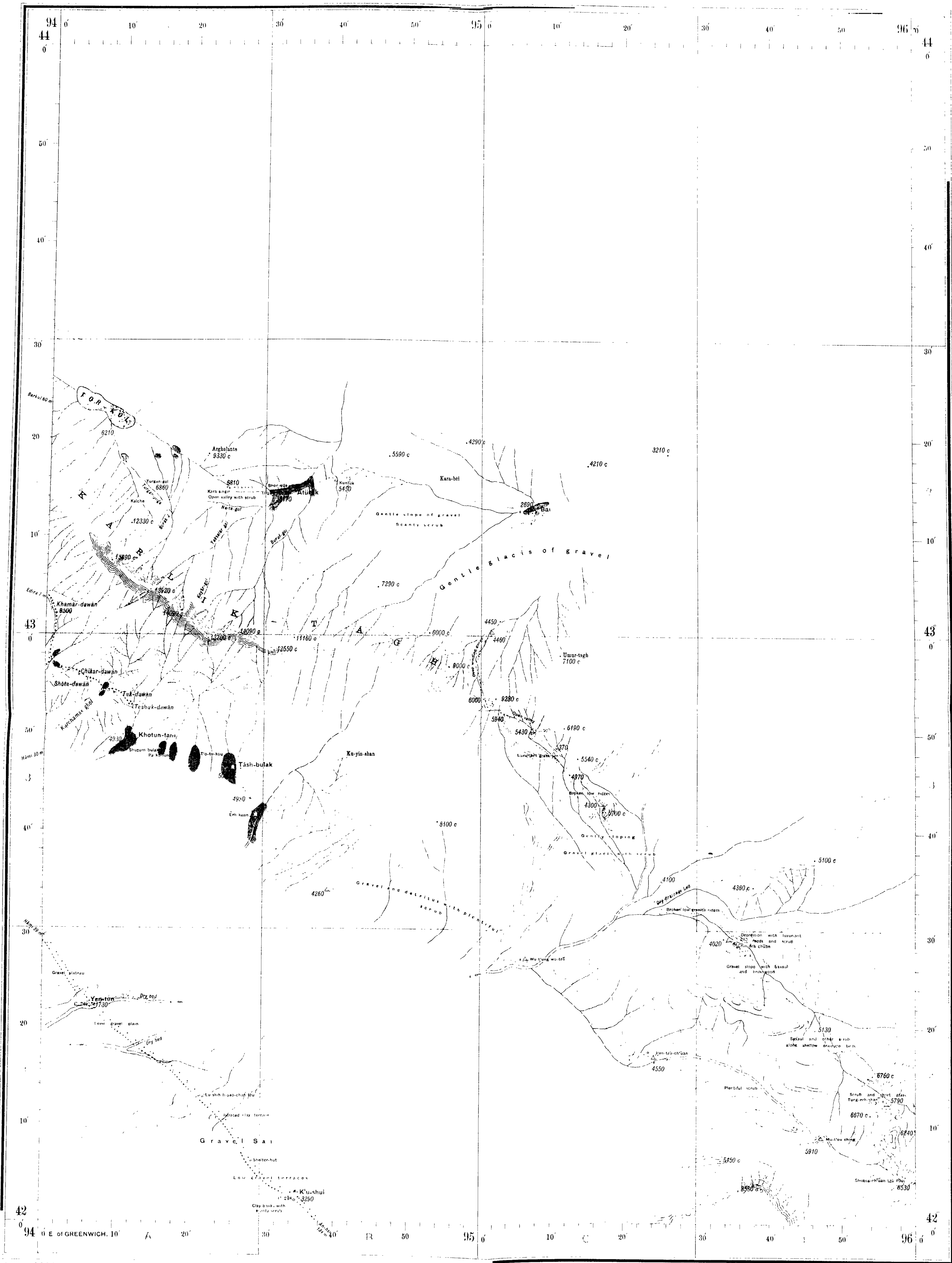
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46

(CARTE INTERNATIONALE DU MONDE)

KARLIK-TÁGH

SERIAL No. 37



|   |   |                           |  |
|---|---|---------------------------|--|
| Reg. No. 1171 D. D. O. 1913-15 (2) 51 110     | Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Offg. Surveyor General of India, 1910. | Index to adjoining sheets | Spring, Well, Karez                                |
| Latitude Stn. Azimuth Stn. Triangulation Stn. | Scale 1:500,000 or 1:1014 inches to 8 Miles   |                           | Main road  |
| Heights: by theodolite, by clinometer         |   |                           | Other roads and paths with pass                    |
| Heights: by barometer or hypsometer           |   |                           | Telegraph line                                     |
| Perpetual snow (approximate)                  |   |                           | Temple, Muhammadan shrine, Sacred tomb             |
| Drift sand area                               |   |                           | Fort: ancient: recent Mine                         |
| Erosion terraces, Mesa: Yárdang               |   |                           | Temporarily occupied hut                           |
| Hard salt crust                               |   |                           | Frontier wall: ancient: recent                     |
| Hard salt-encrusted clay                      |   |                           | Walled town: extant: ruined, Ruined mound (Stüpa)  |
| Soft salt-encrusted clay                      |   |                           | Ancient site, watch-tower, Cairn                   |
| Cultivation: unsurveyed                       |   |                           | Route with camp, 1900 01                           |
| Edges of cultivation, etc., where surveyed    |   |                           | Route with camp, 1906 08                           |
| Reeds or low scrub living: dead               |   |                           | Route with camp, 1913 15                           |
| Sandy tract with scrub or jungle              |   |                           | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Tamarisk cones living: dead                   |   |                           | Camps of Sir A. Stein and Afraz Gul in 1913 15     |
| Wild poplars (Toghrahs) living: dead          |   |                           | Camps of R. B. Lal Singh in 1913 15                |
| Tamarisks living: dead Conifers               |   |                           |  |

|   |               |              |                  |                          |                           |
|---|---------------|--------------|------------------|--------------------------|---------------------------|
| EXPLANATION OF SOME TURKI AND CHINESE TERMS |               |              |                  |                          |                           |
| Bulak                                       | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap  | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya                                       | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan                                       | Pass          | Kurgan       | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong  | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.)                                  | River         | Mazar, Mr    | Saint's tomb     | Toghraq                  | Poplar                    |
| Jilga, J                                    | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul                                      | Watch station | Oghul        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

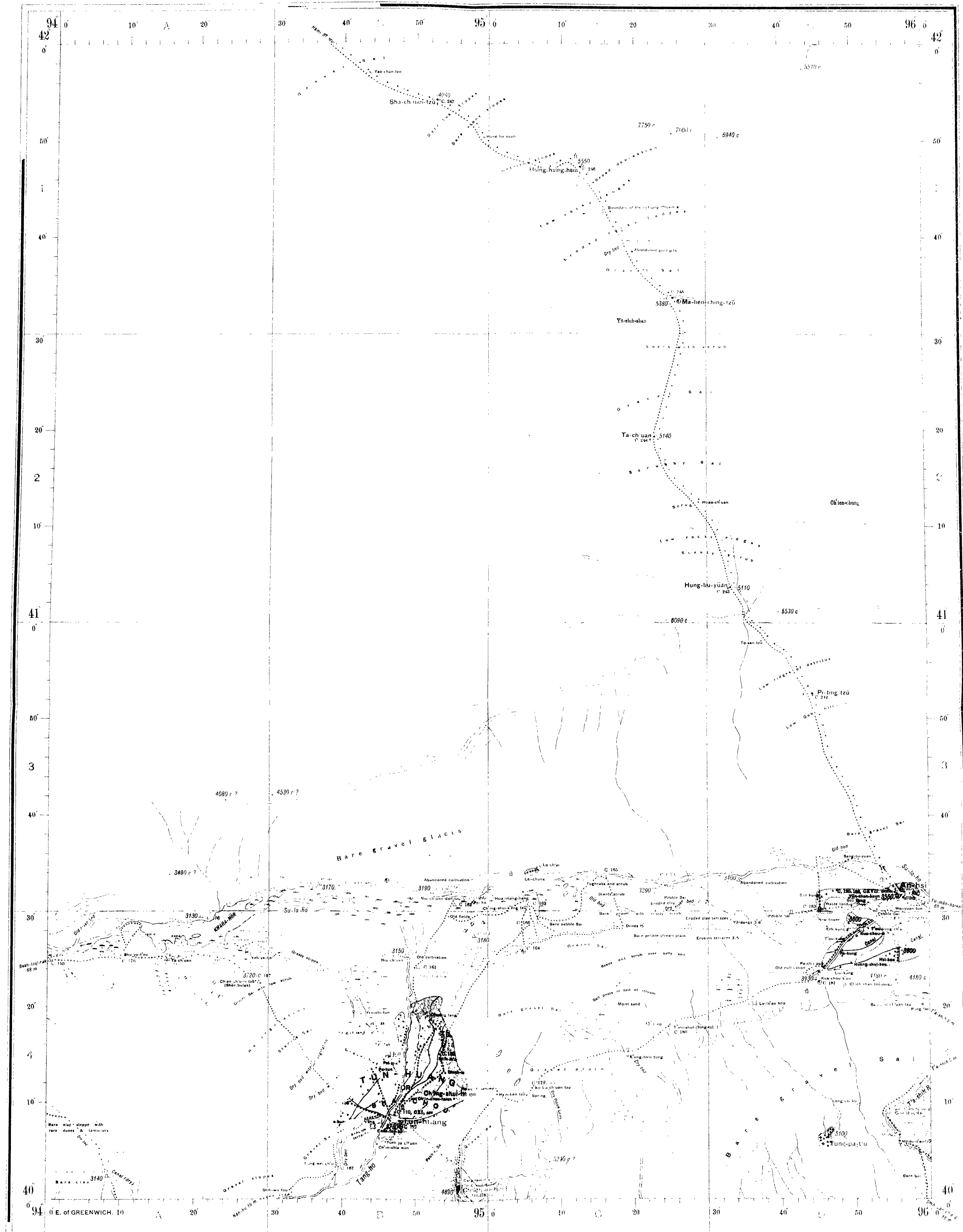
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46

(CARTE INTERNATIONALE DU MONDE)

TUN-HUANG, AN-HSI.

SURVEY OF INDIA No. 38



Revised 1915 D. O. 1915 D. O. 1915 D. O.

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite by clinometer 13277 13277

Heights by barometer or hypsometer 13277 13277

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc. where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghrahs) living, dead

Tamarisks living, dead Conifers

Index to localities

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., 1915, Inspector General of India.

1915

Scale 1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

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1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

1:500,000 or 1:1,014 inches to 8 miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |             |                  |                  |                            |
|-----------|---------------|-------------|------------------|------------------|----------------------------|
| Bulak     | Spring        | Kul, Kol    | Lake             | P'an-tzu, Pu-tzu | Walled village             |
| Chap      | Hill stream   | Kum         | Sand             | Sai              | Desert of stones or gravel |
| Darja     | River         | Kumush      | Reeds            | Shan (Chin)      | Mountain                   |
| Dawan     | Pass          | Kurgan      | Tower            | Ta-fan (Chin)    | Pass                       |
| Dong      | Hill          | Langar, Lr  | Rest house       | Tagh             | Mountain                   |
| Ho (Chin) | River         | Mazar, Mr   | Shrine's tomb    | Toghraq          | Poplar                     |
| Jilga, J  | Valley        | Miao (Chin) | Temple           | Ustang           | Canal                      |
| Karaul    | Watch station | Oghul       | Shepherd station | Yalak, Yalagh    | Grazing ground             |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

24 27

35 38 41

36 39 41

Spring Well Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site; watch-tower, Cairn

Route with camp, 1900 01

Route with camp, 1906 08

Route with camp, 1913 15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913 15

Camps of Sir A. Stein and Afraz Gul in 1913 15

Camps of R. B. Lal Singh in 1913 15

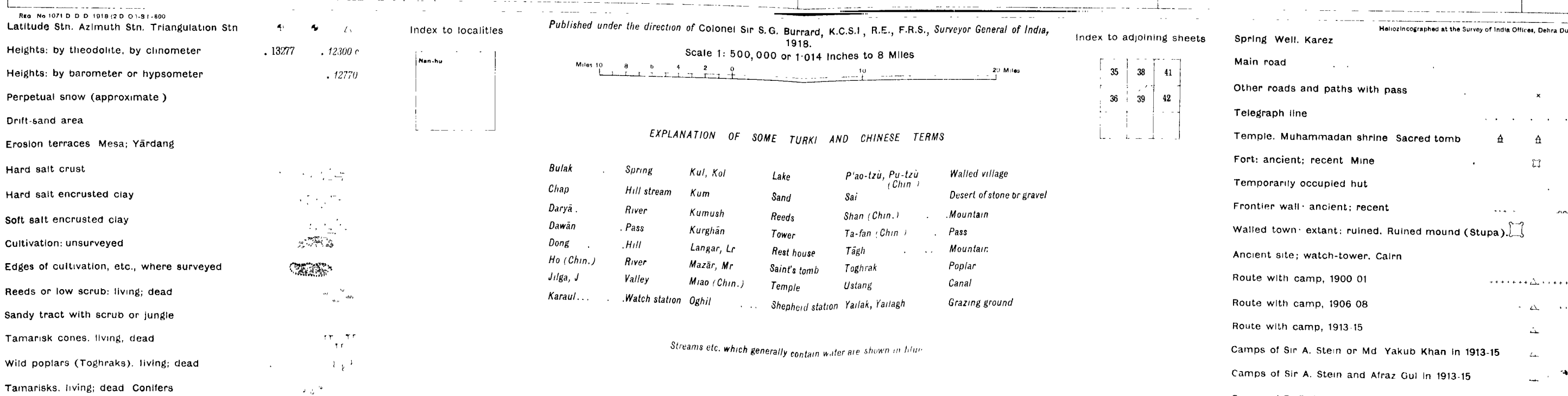
Copies of this map are for sale at the Survey of India Office, Map Room and New Delhi, India. Price, One Rupee.



1900-01, 1906-08, 1913-15.

NAN-HU

SERIAL No. 39



Copies of this map can be obtained on indent from the Survey of India  
Office (Map Record and Issue Branch), Calcutta. Price: One Rupee.

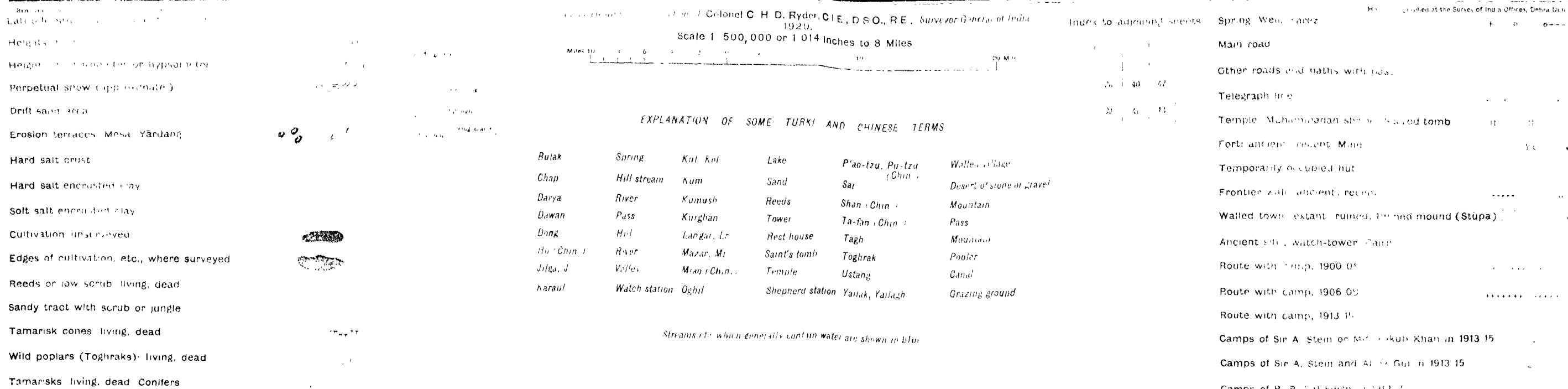




1900-01, 1906-08, 1913-15.

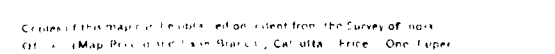
YÜ-MÊN-HSIEN

SERIAL No. 40





SERIAL No. 40





## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

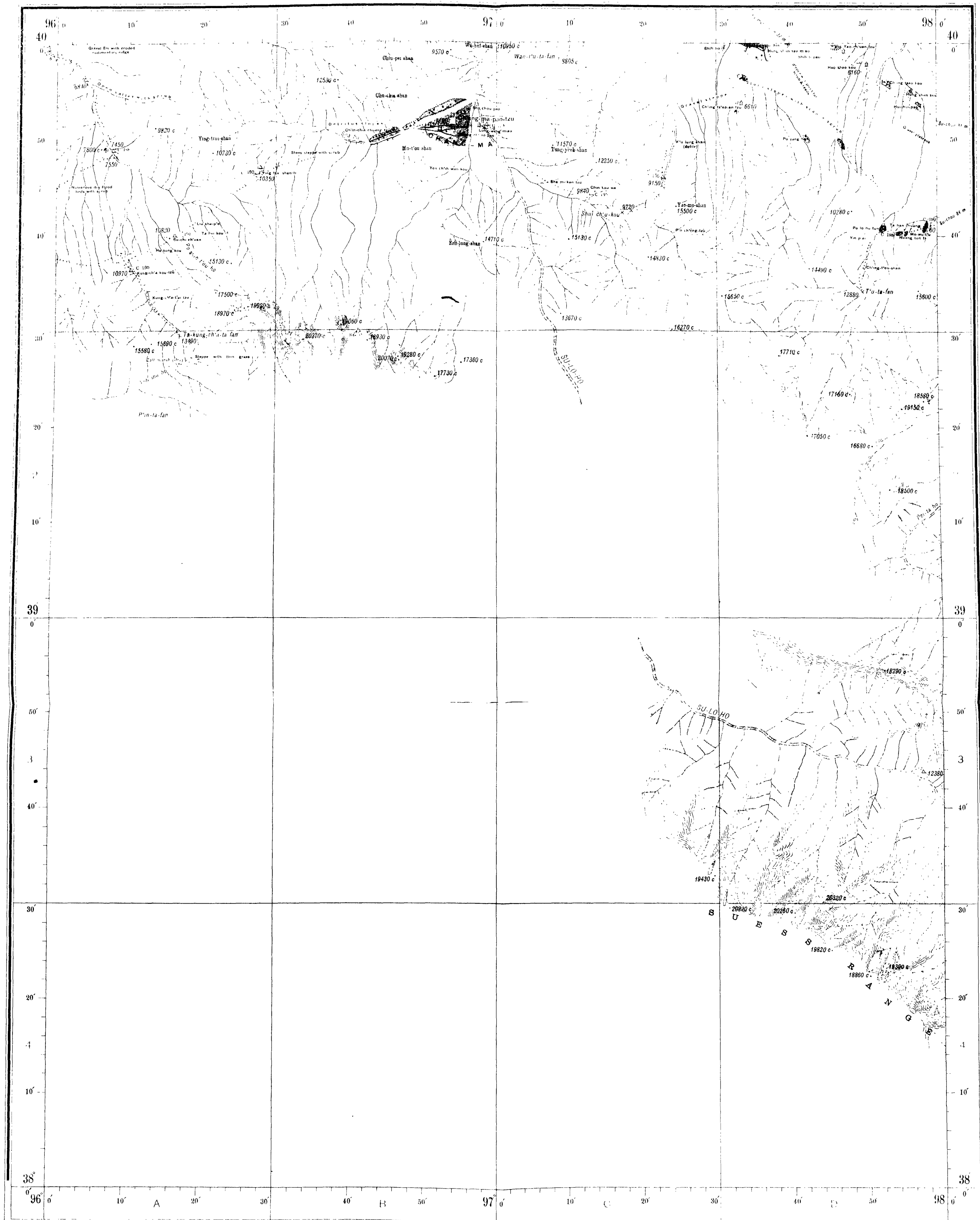
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 89 N W

CH'ANG-MA

SERIAL No. 41



|   |   |                     |  |                           |  |
|---|---|---------------------|--|---------------------------|--|
| Revised No. 1227 D.D.O. 1920 (20.0.1911.1900) | Latitude Stn. Azimuth Stn. Triangulation Stn. | Index to localities | Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India | Index to adjoining sheets | Helmsing, graphed at the Survey of India Office, Dehra Dun |
| Heights by theodolite, by clinometer          | 13277   | 13280 c             | Scale 1:500,000 or 1:014 inches to 8 Miles   | 38 40 42                  | Spring Well, Karez   |
| Heights by barometer or hypsometer            |   | 132770              |  | 39 41 43                  | Main road  |
| Perpetual snow (approximate)                  |   |                     |  |                           | Other roads and paths with pass                            |
| Drift sand area                               |   |                     |  |                           | Telegraph line   |
| Emission terraces, Mesa, Yardians             |   |                     |  |                           | Temple, Muhammadan shrine, Sacred tomb                     |
| Hard salt crust                               |   |                     |  |                           | Fort, ancient, recent, Mine                                |
| Hard salt encrusted clay                      |   |                     |  |                           | Temporarily occupied hut                                   |
| Soft salt encrusted clay                      |   |                     |  |                           | Frontier wall, ancient, recent                             |
| Cultivation, unsurveyed                       |   |                     |  |                           | Walled town, extant, ruined, Ruined mound (Stupa)          |
| Edges of cultivation, etc., where surveyed    |   |                     |  |                           | Ancient site; watch tower, Cairn                           |
| Reeds or low scrub, living, dead              |   |                     |  |                           | Route with camp, 1900-01                                   |
| Sandy tract with scrub or jungle              |   |                     |  |                           | Route with camp, 1906-08                                   |
| Tamansk cones (living, dead)                  |   |                     |  |                           | Route with camp, 1913-15                                   |
| Wild poplars (Tograks) living, dead           |   |                     |  |                           | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15         |
| Tamansk living, dead, Conifers                |   |                     |  |                           | Camps of Sir A. Stein and Afriz Gul in 1913-15             |
|   |   |                     |  |                           | Camps of R. B. Lal Singh in 1913-15                        |

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                         |                           |
|------------|---------------|--------------|------------------|-------------------------|---------------------------|
| Bulak      | Siting        | Kul, K. d.   | Lake             | Pao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                     | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)            | Mountain                  |
| Dawan      | Pass          | Kurgan       | Tower            | Ta-fan (Chin.)          | Pass                      |
| Dong       | Hill          | Langar, Li   | Rail house       | Tagh                    | Mountain                  |
| Ho (Chin.) | River         | Mazar, M.    | Saint's tomb     | Taghra                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ushing                  | Canal                     |
| Karaul     | Watch station | Oghli        | Shepherd station | Yailan, Yailan          | Grazing ground            |

Streams etc. which generally contain water are shown in blue



## CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

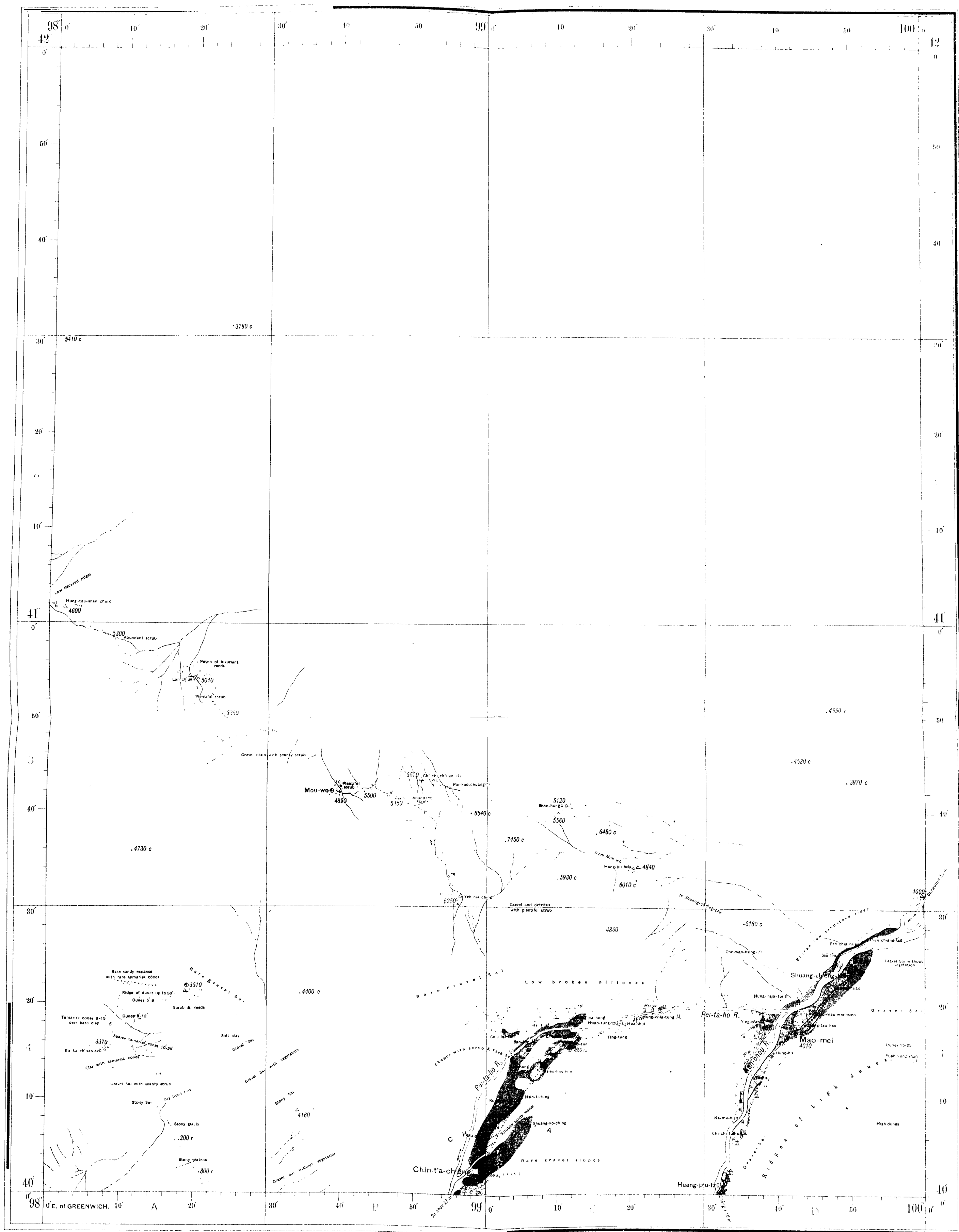
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-47  
(CARTE INTERNATIONALE DU MONDE)

CHIN-T'A

SERIAL No. 42



Res. No. 1238 D. D. 1920 (2 D. D. 1913-1920)

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer 13777 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yârdang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghaks) living, dead

Tamarisks living, dead Conifers

Index to localities

Mou-wu

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Mao-mei

Chin-t'a

Published under the direction of Colonel C. H. D. Ryder, C. I. E., D. S. O., R. E., Surveyor General of India.

Scale 1: 500,000 or 1 014 inches to 8 Miles

Scale 1: 500,000 or 1 014 inches to 8 Miles

Scale 1: 500,000 or 1 014 inches to 8 Miles

Scale 1: 500,000 or 1 014 inches to 8 Miles

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Scale 1: 500,000 or 1 014 inches to 8 Miles

Scale 1: 500,000 or 1 014 inches to 8 Miles

## EXPLANATION OF SOME TURKI AND CHINESE TERMS

|          |               |              |                  |                  |                           |
|----------|---------------|--------------|------------------|------------------|---------------------------|
| Bulak    | Spring        | Kul, Kal     | Lake             | P'ao-tzu, Pu-tzu | Walled village            |
| Chap     | Hill stream   | Kum          | Sand             | Sai              | Desert of stone or gravel |
| Darys    | River         | Kumush       | Reeds            | Shan (Chin.)     | Mountain                  |
| Dawan    | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)   | Pass                      |
| Dung     | Hill          | Lang, Lr     | Rect. house      | Tagh             | Mountain                  |
| Ho Chin  | River         | Mazar, Mr    | Saint's tomb     | Toghrak          | Poplar                    |
| Jilga, J | Valley        | Miao (Chin.) | Temple           | Ustang           | Canal                     |
| Karsul   | Watch station | Oghil        | Shepherd station | Yailak, Yailagh  | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrâz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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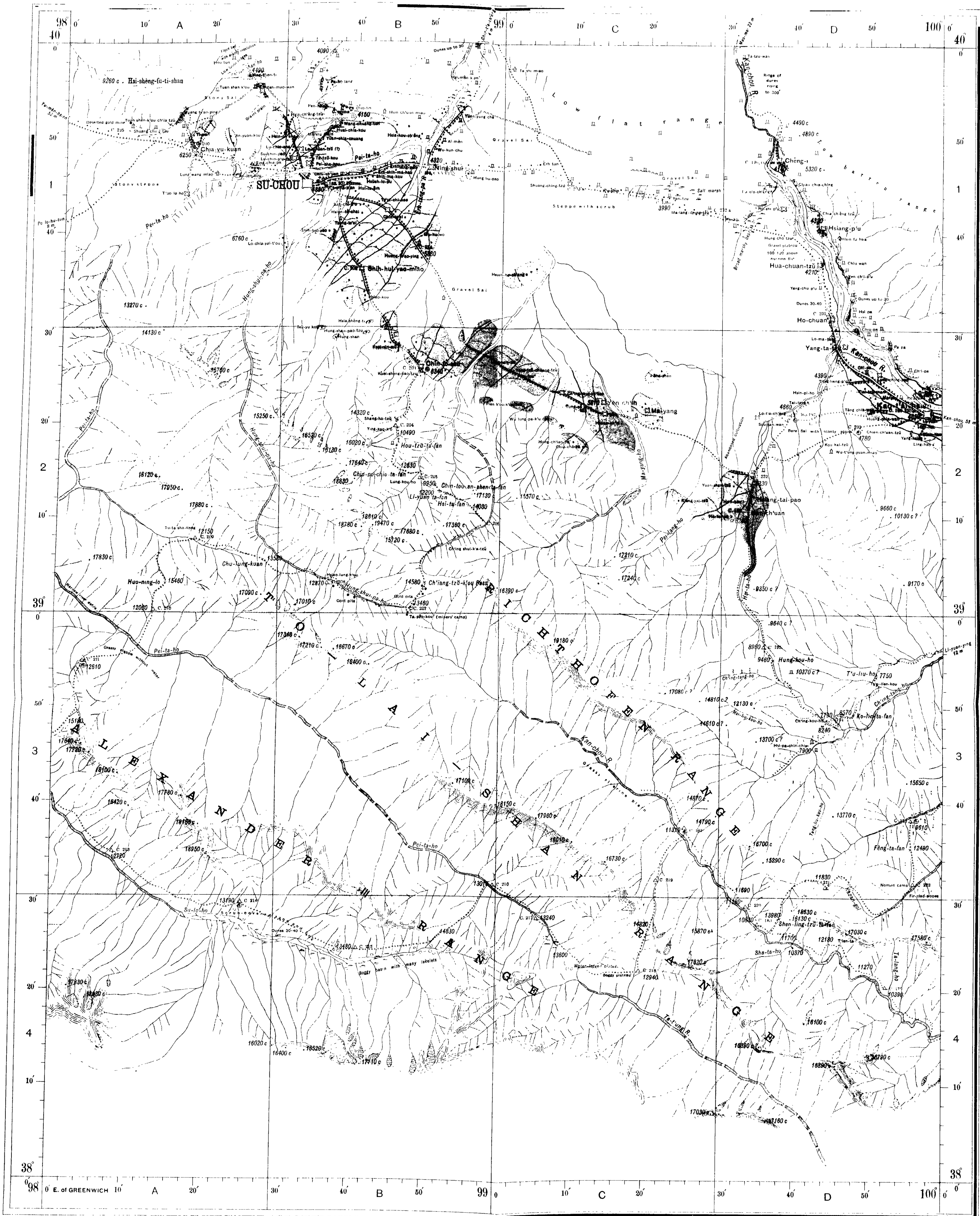


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 89 N.E.

SU-CHOU

SERIAL No. 43



|   |          |            |
|---|----------|------------|
| Latitude Stn. Azimuth Stn. Triangulation Stn. | 1. 13277 | 2. 12300 c |
| Heights: by theodolite; by clinometer         | 13277    | 12300 c    |
| Heights: by barometer or hypsometer           | 12770    |            |
| Perpetual snow (approximate)                  |          |            |
| Drift-sand area                               |          |            |
| Erosion terraces: Mesa; Yardang               |          |            |
| Hard salt crust                               |          |            |
| Hard salt-encrusted clay                      |          |            |
| Soft salt-encrusted clay                      |          |            |
| Cultivation: unsurveyed                       |          |            |
| Edges of cultivation, etc., where surveyed    |          |            |
| Reeds or low scrub, living, dead              |          |            |
| Sandy tract with scrub or jungle              |          |            |
| Tamarisk cones, living, dead                  |          |            |
| Wild poplars (Toghra): living, dead           |          |            |
| Tamarisks living, dead. Conifers              |          |            |

|  |  |
|--|--|
| Index to localities                            | Index to adjoining sheets                          |
| Spring Well, Kärz                              | Main road  |
| Other roads and paths with pass                | Telegraph line                                     |
| Temple, Muhammadan shrine                      | Sacred tomb  |
| Fort: ancient; recent                          | Mine   |
| Temporarily occupied hut                       | Frontier wall: ancient, recent                     |
| Walled town: extant; ruined                    | Ruined mound (Süpa)                                |
| Ancient site; watch-tower                      | Cairn  |
| Route with camp, 1900-01                       | Route with camp, 1906-08                           |
| Route with camp, 1913-15                       | Camps of Sir A. Stein or Md. Yakub Khan in 1913-15 |
| Camps of Sir A. Stein and Afrāz Gai in 1913-15 | Camps of R. B. Lāi Singh in 1913-15                |

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India, 1922

Scale 1: 500,000 or 1: 614 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Daryā      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazār, Mr    | Saint's tomb     | Toghra                   | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Qhij         | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

Heliozincographed at the Survey of India Offices, Dehra Dun

Scale of this map can be obtained on Index from the Survey of India Offices (Map Room and Issue Branch), Calcutta. Price: One Rupee



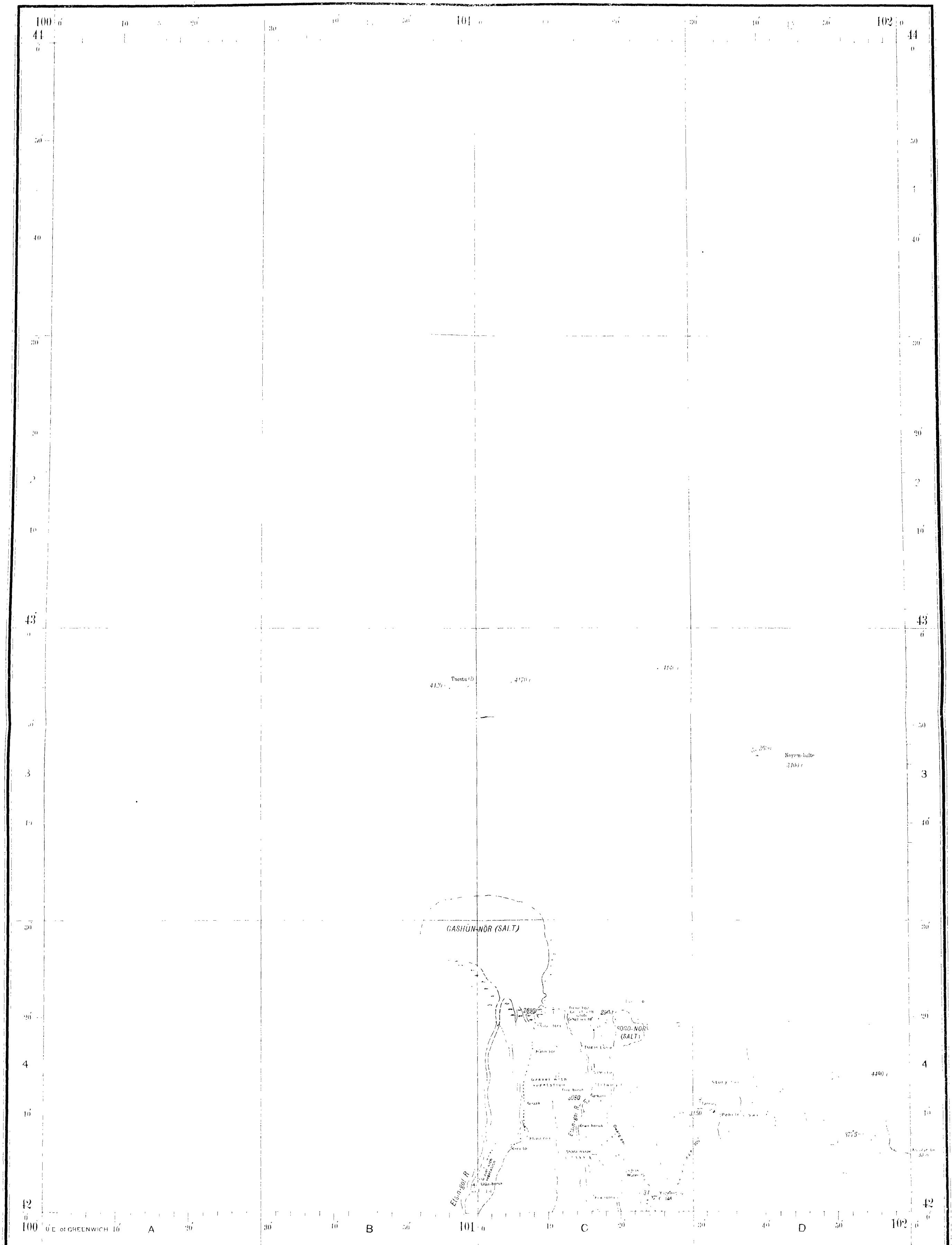
CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-47  
(CARTE INTERNATIONALE DU MONDE)

ETSIN-GOL DELTA

SERIAL No. 44



Sheet No. 1220 D. D. D. 1915 20. 51. 800

|   |      |      |
|---|------|------|
| Latitude Sta. Azimuth Sta. Triangulation Sta. | 4    | 5    |
| Heights by theodolite, by clinometer          | 1377 | 1390 |
| Heights by barometer or hypsometer            | 1377 | 1390 |
| Perpetual snow (approximate)                  |      |      |
| Drift sand area                               |      |      |
| Erosion terraces. Mesa. Yardang               |      |      |
| Hard salt crust                               |      |      |
| Hard salt encrusted clay                      |      |      |
| Soft salt encrusted clay                      |      |      |
| Cultivation unsurveyed                        |      |      |
| Edges of cultivation, etc., where surveyed    |      |      |
| Reeds or low scrub living, dead               |      |      |
| Sandy tract with scrub or jungle              |      |      |
| Tamansk cones living, dead                    |      |      |
| Wild poplars (Tolbraks) living, dead          |      |      |
| Tamansk living, dead Conifers                 |      |      |

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Director General of India  
Scale 1:500,000 or 1:614 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|           |               |            |                  |                    |                           |
|-----------|---------------|------------|------------------|--------------------|---------------------------|
| Rutak     | Spring        | Ku', K'd   | Lake             | P'ao-tzu, P'ao-tzu | Walled village            |
| Chan      | Hill stream   | Kam        | Sand             | Sai                | Desert of stone or gravel |
| Darya     | River         | Kunush     | Reeds            | Shan (Chin)        | Mountain                  |
| Dawin     | Pass          | Kuq'an     | Tower            | Ta-fu Chin         | Pass                      |
| Dang      | Hill          | Lanjar, Le | Rest house       | Tagh               | Mountain                  |
| Hu (Chin) | River         | Mazu, Mr   | Saint's tomb     | Tograk             | Poplar                    |
| Jilga, J  | Valley        | Mao (Chin) | Temple           | Ustang             | Canal                     |
| Karakul   | Watch station | Ughul      | Shepherd station | Falak, Farlagh     | Grazing ground            |

Streams etc. which generally contain water are shown in blue

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| Other roads and paths with pass                     | 43 |
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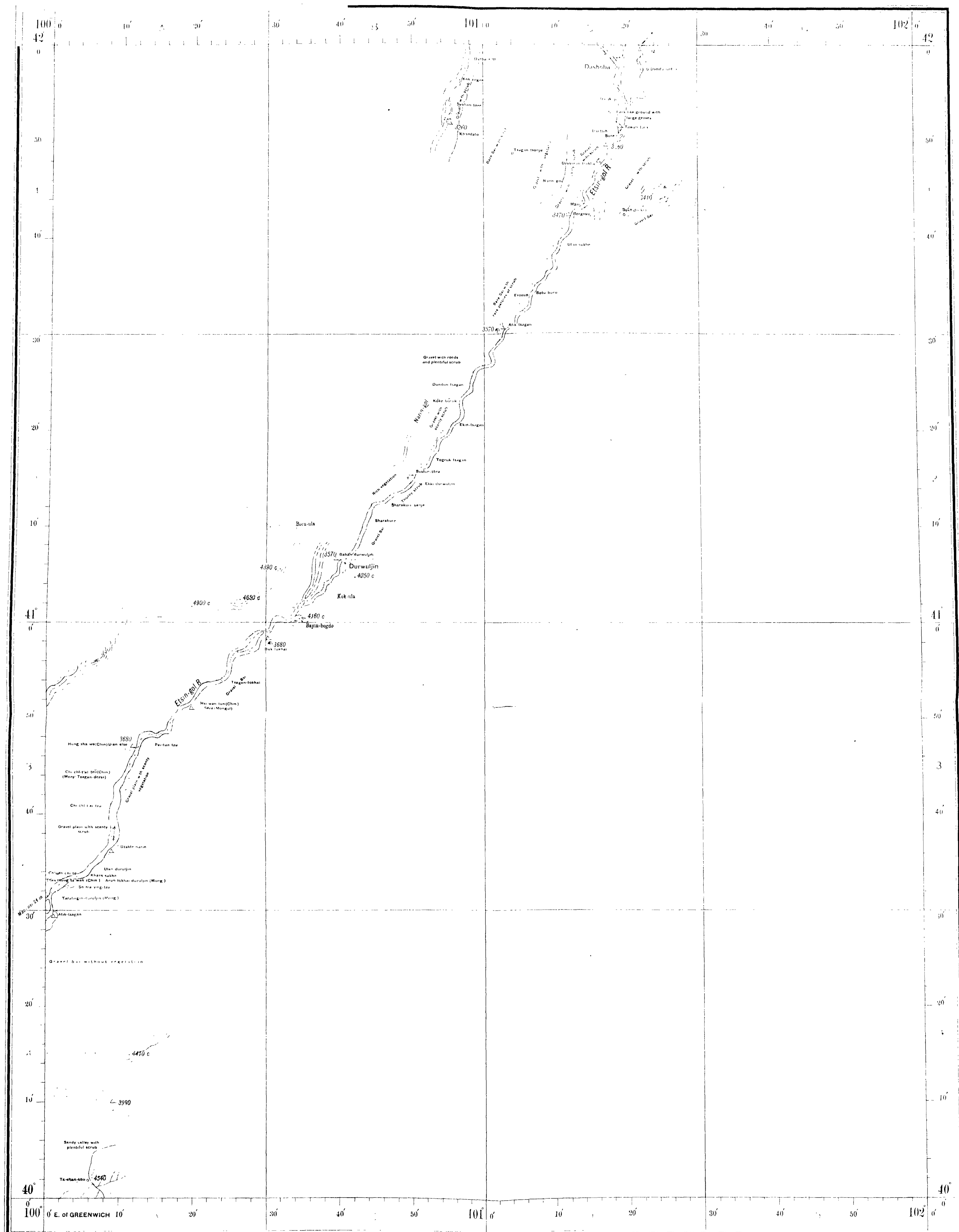


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-47  
(CARTE INTERNATIONALE DU MONDE)

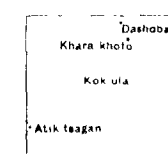
ETSIN-GOL

SERIAL No. 45



Re. No 12470 D D 1920 (2 D 0131) 800  
Latitude Stn. Azimuth Stn. Triangulation Stn  
Heights: by theodolite; by clinometer  
Heights: by barometer or hypsometer  
Perpetual snow (approximate)  
Drift-sand area  
Erosion terraces. Mesa. Yârdang  
Hard salt crust  
Hard salt-encrusted clay  
Soft salt-encrusted clay  
Cultivation: unsurveyed  
Edges of cultivation, etc., where surveyed  
Reeds or low scrub: living; dead  
Sandy tract with scrub or jungle  
Tamarisk cones, living; dead  
Wild poplars (Toghraks) living; dead  
Tamarisks: living; dead. Conifers

Index to localities



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1920  
Scale 1:500,000 or 1:614 inches to 8 Miles



EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawan      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Mazar, Mr    | Saint's tomb     | Toghrak                  | Poplar                    |
| Jilga, J   | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Tailak, Yailagh          | Grazing ground            |

Streams etc which generally contain water are shown in blue

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|----|----|
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Spring. Well. Karez

Main road

Other roads and paths with pass

Telegraph line

Temple. Muhammadan shrine. Sacred tomb

Fort: ancient; recent. Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site; watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

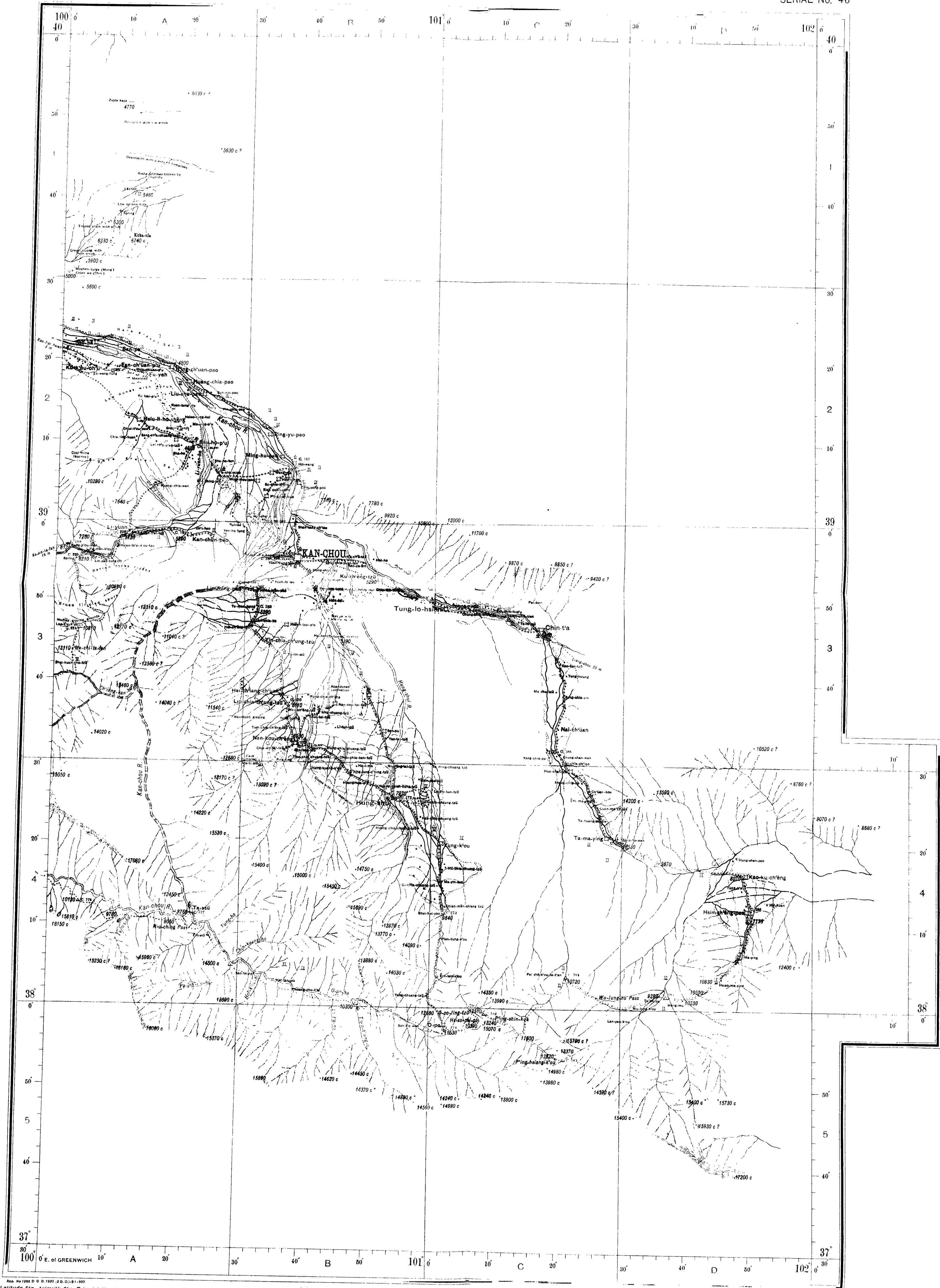


CHINESE TURKISTAN AND KANSU  
FROM SURVEYS MADE DURING THE EXPLORATIONS OF  
SIR AUREL STEIN, K. C. I. E.,  
1900-01, 1906-08, 1913-15.

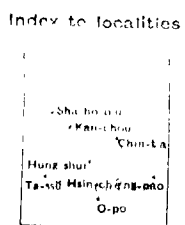
SURVEY OF INDIA No. 98 N.W. & S.W.

KAN-CHOU

SERIAL No. 46



Rep. No. 1288 D. O. D. 1920 (3. D. O. 1-1-1920)  
Latitude Stn. Azimuth Stn. Triangulation Stn.  
Heights by theodolite, by aneroid  
Heights by barometer or hypsometer  
Perpetual snow (approximate)  
Drift sand area  
Erosion terraces. Mesa. Yardang  
Hard salt crust  
Hard salt encrusted clay  
Soft salt encrusted clay  
Cultivation, unsurveyed  
Edges of cultivation, etc., where surveyed  
Reeds or low scrub living; dead  
Sandy tract with scrub or jungle  
Tamarisk cones: living, dead  
Wild poplars (Toghaks): living; dead  
Tamarisks: living, dead. Conifers

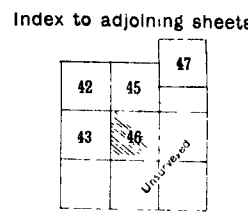


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Scale 1:500,000 or 1:101,4 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | P'ao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Darya      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawān      | Pass          | Kurghan      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langar, Lr   | Rest house       | Tagh                     | Mountain                  |
| Ho (Chin.) | River         | Ma'ar, Mr    | Saint's tomb     | Toghak                   | Poplar                    |
| Jilga, J.  | Valley        | Miao (Chin.) | Temple           | Ustang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yalak, Yailagh           | Grazing ground            |

Streams etc. which generally contain water are shown in blue



Spring, Well, Karez  
Main road  
Other roads and paths with pass  
Telegraph line  
Temple, Muhammadan shrine, Sacred tomb  
Fort: ancient; recent Mine  
Temporarily occupied hut  
Frontier wall: ancient; recent  
Walled town: extant; ruined Ruined mound (Stupa)  
Ancient site, watch-tower, Cairn  
Route with camp, 1900-01  
Route with camp, 1906-08  
Route with camp, 1913-15  
Camps of Sir A. Stein or Md. Yakub Khan in 1913-15  
Camps of Sir A. Stein and Afráz Gui in 1913-15  
Camps of R. B. Lal Singh in 1913-15





CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

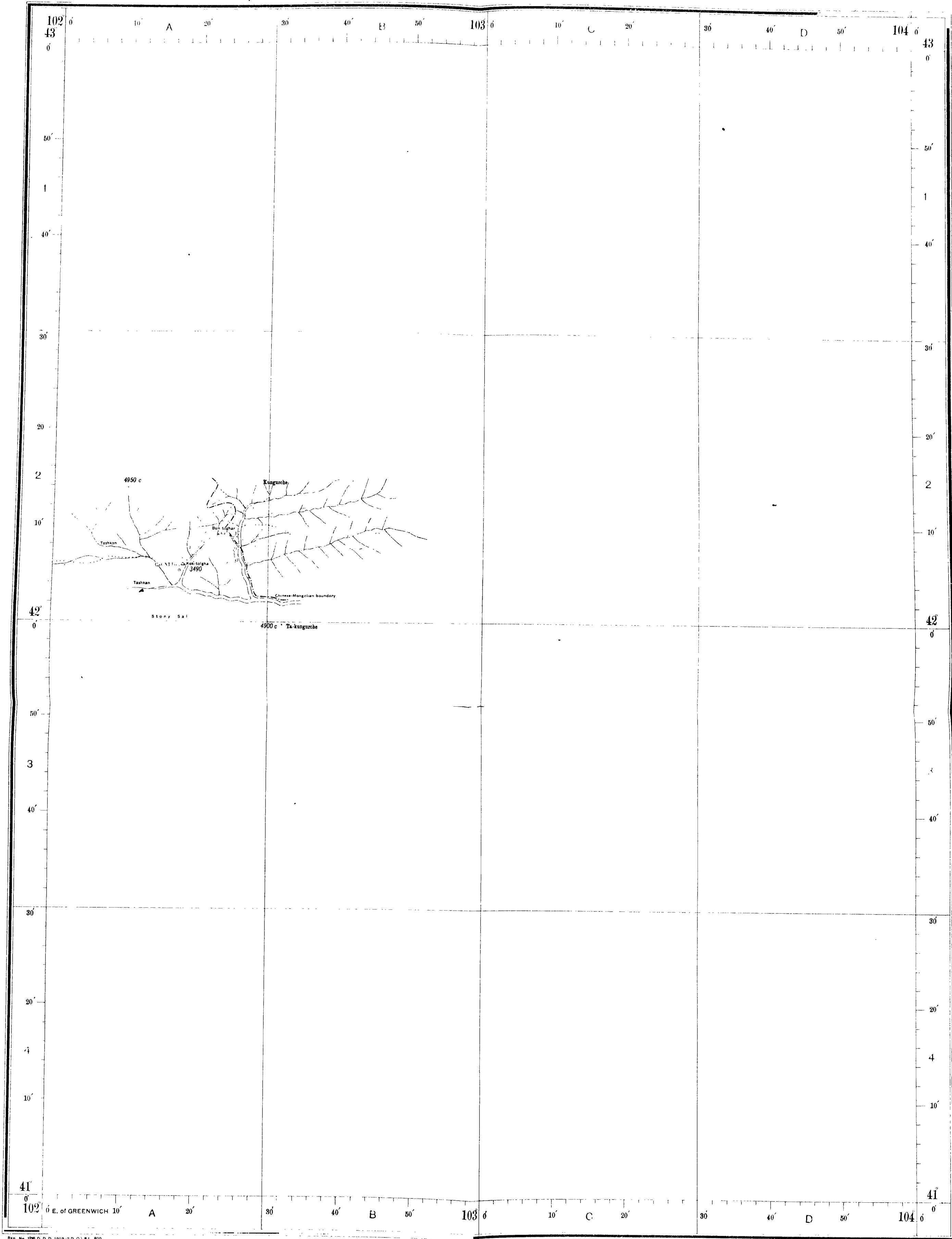
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-48  
(CARTE INTERNATIONALE DU MONDE)

KUNGURCHE

SERIAL No. 47



Res. No. 1286 D. D. D. 1919 (D. D. O.) 911 800

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite; by clinometer . 13277 . 12300 c

Heights: by barometer or hypsometer . 12170

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa; Yärdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

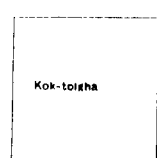
Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Toghrahs): living; dead

Tamarisks: living; dead Conifers

Index to localities

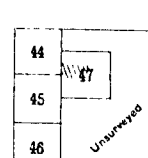


Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India, 1919

Scale 1: 500,000 or 1:014 Inches to 8 Miles

Miles 10 8 6 4 2 0 10 20 Miles

Index to adjoining sheets



Spring. Well. Karez

Main road

Other roads and paths with pass

Telegraph line

Temple. Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stüpa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

EXPLANATION OF SOME TURKI AND CHINESE TERMS

|            |               |              |                  |                          |                           |
|------------|---------------|--------------|------------------|--------------------------|---------------------------|
| Bulak      | Spring        | Kul, Kol     | Lake             | Piao-tzu, Pu-tzu (Chin.) | Walled village            |
| Chap       | Hill stream   | Kum          | Sand             | Sai                      | Desert of stone or gravel |
| Daryä      | River         | Kumush       | Reeds            | Shan (Chin.)             | Mountain                  |
| Dawän      | Pass          | Kurghän      | Tower            | Ta-fan (Chin.)           | Pass                      |
| Dong       | Hill          | Langer, Lz   | Rest house       | Tägh                     | Mountain                  |
| Ho (Chin.) | River         | Mazär, Mr    | Saint's tomb     | Toghraq                  | Poplar                    |
| Jüga, J    | Valley        | Mino (Chin.) | Temple           | Üstang                   | Canal                     |
| Karaul     | Watch station | Oghil        | Shepherd station | Yailak, Yailagh          | Grazing ground            |

Streams etc. which generally contain water are shown in blue

